Digitized by the Internet Archive in 2014

The

CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2753 VOL. CXVII.

NOVEMBER 12, 1932

Annual Subscription (with Diary) 20/-. Single Copies 9d.

Order your Calendars early this year and save disappointment

Only a certain number are printed and orders are taken strictly in rotation



Size of Picture
Size of Calendar

85 × 61 151 × 113" "Allenburys"
CAILENIDAIR
for 1933

The price, 2/6 per dozen, carriage paid, is considerably less than the cost of production. Three dozen is the minimum quantity that can be overprinted with own name and address.

Particulars of the name and address to be overprinted should accompany each order.

We can supply envelopes to fit the calendars at 8d. per dozen.

Allen & Hanburys Ltd., London, E.2

Telephone: Bishopsgate 3201 (12 lines)

Telegrams: "Greenburys Beth London"

ASPIRIN "FRE-FLO"

MANUFACTURED BY

W. J. BUSH & CO., LTD., LONDON

Unsurpassed chemical purity, superlatively free flowing and entirely free from the slightest trace of acetic odour before and after tabletting.

The three essential requirements of the ideal ASPIRIN, embodied in one standard BRITISH product.

ASPIRIN "FRE-FLO" MAKES TASTELESS TABLETS

Samples and prices from

H. W. GRAESSER-THOMAS

MONUMENT 2319 4277 49 LEADENHALL ST. LONDON, E.C.3

UNOMEE FEN LONDON

COW & GAT

18 GATE USE PEPTALAC "The instant predigested food." It needs no cooking. Made by just adding hot water. Invaluable for infants and invalids, and a boon to those who nurse them. Protected Retail Price: 2/3 & 3/9. CHOCOLATE MILK The most Delicious, Nutritious, Digestible and Economical tonic beverage. All the full cream milk is in it. Just make it with water. Protected Retail Prices: 1/4½ & 2/6. RUSKS "The Rusk without the Risk!" Precisely the right texture to develop a child's teeth and jaws; specially shaped to prevent risk of choking. Made of the finest wheat flour and Cow & Gate Milk Food. Protected Retail Prite: 1/6 per box. FEEDERS Peptalac Safe, hygienic. The last word in scientific production. Protected Retail Prices: Cow & Gate Patent Glass Stoppered Feeder, enabling the flow of food to be regulated, 2/-. And No. 2 8 oz. Feeder, 1/6. No. 3 4 oz. Feeder, 1/6. (1) TEATS 11 cuttings, Protected Retail Price, 4d. each. Valves 3d. each. Gate Rusk TEETHING RINGS Cow & Gate fine Rubber Teething Rings, 6d. each.

LTD., GUILDFORD, ENGLA

L. A



AZ BONUS BIGGER THAN EVER BEFORE

> ORDER WHAT YOU LIKE FREE GOODS WITH EVERY LINE.

> > We will execute one order only for any Tokalon lines with One Unit Free to every Dozen.

ALSO FREE GOODS FOR YOU TO GIVE AWAY.

> Contained in every 1/- box of Poudre Tokalon we send you FREE a bottle of the new Kappa Perfume to be given away.

> To qualify for the bonus of "13 to the Dozen" your order must contain at least 2 doz. 1/- Powder.

> All we ask is that you display the Showcard (illustrated here) for 14 days.

> > CLOSES OFFER 30th NOVEMBER.

Nationally Advertised

SF	EC	IAL	ORI	DER	FORM
----	----	-----	-----	-----	------

Please send on 13 to DOZEN TERMS on all lines.

Per Doz.

18 d.
18 d. Quantity Dozens 1/6 Large - - - - - - STANDARD COMPACTS-1/3 Gilt Case Rachel and Natural shades of powder (equally divided) will be sent unless otherwise specified. £

If you wish the goods invoiced through a wholesaler, please give his name and address. TOKALON LTD., CHASE ROAD, LONDON, N.W.10



SPECIAL BONUS OFFER 2

bottles free with every doz. ordered



DOCTORS ARE PRESCRIBING

NOVASEPTIC

THE PERFECT GERMICIDE

as the safe treatment for Nasal and Throat infections, and as a general antiseptic.

DENTISTS ARE PRESCRIBING IT as the ideal Mouthwash after extractions.

NOVASEPTIC is obtainable from all Wholesale Chemists and carries a generous profit. It will pay you to lay in stocks to MEET the demand we are creating. Write to-day for full particulars.

Manufactured in Great Britain in the Works and Laboratories of

PHARMACEUTICAL CORPORATION LTD.

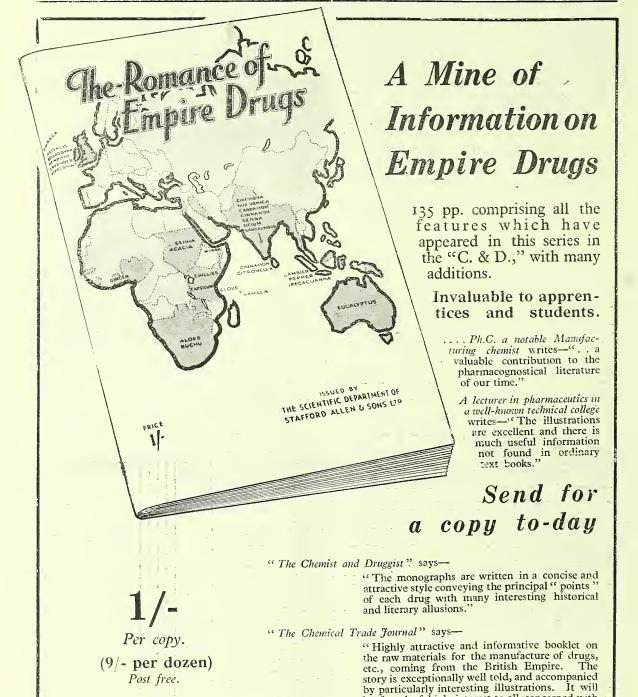
(DEPT. N.7)

39 & 40 ALDERSGATE ST., LONDON

Telegrams:
NOVUTOX, LONDON

Telephones: NATIONAL 8906 & 8907 NOVASEPTIC'S
active ingredient is
750 TIMES
more powerful than pure
Phenol, but it does not
harm the most sensitive

tissues



Issued by the Scientific Department of

Empire Trade.

be found of high interest to all concerned with

STAFFORD ALLEN & SONS LTP

Manufacturing Chemists, Essential Oil Distillers.
COWPER STREET, LONDON, E.C.2.

INDEX TO ADVERTISERS

Allan Manfg. Co., Ltd. (Daylight
Signs)
Signs)
Calendar) Cover Allen, Stafford, & Sons, Ltd. (Empire
Allen, Stafford, & Sons, Ltd. (Empire
Drugs) 4 Anvers Food Co. (Children's Food) . xix
Anzora Perfumery Co., Ltd. (Anzora
Cream. &c.)
Cream, &c.)
Paraffin, etc.) xvii Association of Manfg. Chemists, Ltd.
Association of Manfg. Chemists, Ltd.
Ćol. Supp.
Bandoeng Quinine Factories (Quinine
and Salts) v
and Salts) v Barker, R., & Son, Ltd. (Infants'
Preservative) xiv
Barker, R. W., & Co. (Patent
Preservative) xiv Barker, R. W., & Co. (Patent Agents) Leader Page Barnett, Jack L., Ltd. (Bottles) 26 Bell. John, Hills & Lucas, Ltd. (Pharm Press) & Leader Page
Rell John Hills & Lucas Itd
(Pharm. Preps.) Leader Page
Benckiser, J. A. (Tartaric Acid. &c.) viii
Benckiser, J. A. (Tartaric Acid, &c.) viii Berdoe & Fish, Ltd. (Valuers. &c.)
Col. Supp.
Blackwell, Hayes & Co., Ltd. (Fruit
Blackwell, Hayes & Co., Ltd. (Fruit Essences, &c.) ix Boots Pure Drug Co., Ltd. (Medi-
cinal Products) vii
ciral Products) vii Brady & Martin, Ltd. (Galenicals,
&c.) viii
Britannia Laboratories, Ltd. (Snow) 16 British Drug Houses, Ltd. (Radio
British Drug Houses, Ltd. (Radio
Malt) Cover Brook, Parker & Co., Ltd. (Dutch
Drops) viii
Burgoyne, Burbidges & Co., Ltd.
Drops) viji Burgoyne, Burbidges & Co., Ltd. (Para-Gastrine) i
Burrough, James, Ltd. (Alcohol)
Purroughs Wellerme & Co. ("He le "
Burroughs Wellcome & Co. ("Kepler" Cod Liver Oil and Malt) 29
Butywave Co. (Shampoo Powder) 19
2 at a re co. (Shampoo Fowder) 191

Caldicot Tin Stamping Works, Ltd. (Decorated Tins) xviii
Camwal, Ltd. (Mineral and Aerated
Charles Roger Laboratories, Ltd.
(Mixa Powder Cream)
Christy, T., & Co. (Cachet Machines) 22 Clark, S. F. (Valuer, &c.) Col. Supp. Clarocit Co., Ltd. (Moisture Pre-
venter) xviii Clayton & Jowett, Ltd. (Cologne
Darfumas (sa)
Continental Laboratories, Ltd. (Lactobyl) xii Corfield, Ltd. (Aluminium Containers) 8
Corfield, Ltd. (Aluminium Containers) 8 County Perfumery Co. (Competition
Results)
Cow & Gate, Ltd. (Baby Feeders, etc.) 1 Cranbux, Ltd. (Odol Tooth Paste) 12-13
" Daily Mail," The 2
Dee Oil Co., Ltd. (Petroleum Jelly) xvii Denver Chem. Mfg. Co. (Anti-
phlogistine) xii Dick, W. B., & Co., Ltd. (Liquid Paraffin) xv
Paraffin) xv
Dimol Laboratories, Ltd. (Pulverettes) x Dixor, Ltd. (Toilet Preparations) 14
Dudley & Co., Ltd. (Christmas Show-cards, &c.)
Edwards Harlene, Ltd. (Hair Toilet
Preps.)
Leader Page Eyans, Gadd & Co., Ltd. (Drugs, &c.) iv
Fairy Dyes, Ltd. (Dyes) xviii Fecher, M. J., Ltd. (Iodine Pencil) xxi Fennings, A. (Children's Cooling
Powders) Leader Page Ferber, Robert, Ltd. (Medicinal Cap-
suies, &c.) x
Fink, F., & Co. (Gums) 22

Foley's (Glassware) xx Ford, Shapland & Co., Ltd. ("Sol-vo"
Tollet Paper) 26
Fox, Francis F., & Co., Ltd. (Distilled Water) xvi
Galen Products Co., Ltd. (Glycerine Pastilles, &c.) 25
Pastilles, &c.). 25 Gambles, J. C., & Co., Ltd. (Antiseptikol Tooth Paste) . 19 Gardner, W., & Sons (Glos.), Ltd.
Gardner, W., & Sons (Glos.), Ltd.
(Machinery)
Garfield Tea Co iv
Genatosan, Ltd. (Genasprin, &c.) xi
George, Ernest J. (Valuer, &c.) Col. Supp.
Gilleys Laboratories (Herbal Laxa-
tive) xiv Gollin & Co. Pty., Ltd. (Aspro) xiii
Gollin & Co. Pty., Ltd. (Aspro) xiii
Graesser-Thomas, H. W. (Aspirin "Fre-Flo")
Grout & Co., Ltd. (Crêpe Bandages) xx
Hackett, S. E. (Film Overstocks) Col. Supp.
Hampden Residential Club Col. Supp.
Harkness, Beaumont & Co., Ltd.
(Disinfectant) iii Harris, Hart & Co., Ltd. (Glauber
Harris, Hart & Co., Ltd. (Glauber
Salts &c.) iv
Heward, R. H. Co (Surgical Relts) vvii
Hewlett, C. J., & Son, Ltd. (Hot
Water Bottle Covers) xx
Holroyd's Oil & Cercsine Co., Ltd 22
Hopkin & Williams, Ltd. (Chemicals) iii
Hubbuck, T., & Son, Ltd. (Oxide of
Zinc) vi
Ibberson, G., & Co. (Razor Blades) 18
Jackson, Ernest, & Co., Ltd. (Lozenges, &c.) ix
(Lozenges, &c.)
Jeffreys, Miller & Co., Ltd. (Millamalt)
[Continued overleaf

QUICK SELLING LINES FOR CHEMISTS



The Famous Rubber Preventative. The well-known packing of our MORFI Regd. Brand was fraudulently imitated, but the inability of anyone to supply a similar quality rubber as the genuine MORFI led to an immediate detection of the fraud.

Why the MORFI Brand was tried to be imitated is quite clear, because it is a very popular article with a ready sale. It has a ready sale because it is in great demand owing to its unsurpassed quality.

"SPARE YOUR NERVOUS SYSTEM BY USING MORFI" is the slogan that brought MORFI to prominence, and it has proved it.

The retail price of MORFI is fixed at 2/6 per packet of three, and as from December 1932, this price will be printed on each packet.

Trade Mark Price cutters are not supplied.

ASK FOR OUR 1933 PRICE LIST.



30 HOWLAND STREET, LONDON, W.1 Tel.: MUSEUM 9143

RUBBER GOODS MANUFACTURERS and SOLE DISTRIBUTORS of—







FEMINOSAL Pessaries, Capsules, and Pills. LEEDO Enemas Whirl-ETC. ing Sprays and Sheaths,

and all kinds of Seamless Rubber Preventatives and Sheaths, loose or packed.

INDEY_

INDEX—cont.	
Jones, Samuel, & Co., Ltd. (Lightning Labeller) Josephs, Philip, & Sons (Shopfittings) Col. Sup	.ii 24 9.
Kaydor, Ltd. (Morfi Rubber Products, &c.) King, J. C., Ltd. (Shopfittings, &c.)	5 26
Levermore, A., & Co., Ltd. (Precipi-	iii 22 ge 28 xv iii
Matthews, D., & Son (Shophttings) Col. Sup Col. Sup Matthews Laboratories, Ltd. (Nostro- line) Leader Pa Maund, F., & Berg, E., Ltd. (Show- cases) Col. Sup Maw, S., Son & Sons, Ltd Maxwell, Plaistowe & Co., Ltd. (Sandalwood Oil) May & Baker, Ltd. (Bismuth Carbo- nate, &c.) Coo Menley & James, Ltd. (Pyridium) v Methylating Co., Ltd. (Methylated	ge
Spirit)	viv (vi 22 22

Mills, J. M., Ltd. (Methylated Spirit) xvii
Myatt, W. J., & Co., Ltd. (Daymark
Safety Razor)
Newbery, F., & Sons, Ltd. (Remembrance Day)
Ltd iil
Nobby's Products, Ltd. (Extract for
Brewing) xix Norwegian Cod Liver Oilxxiv
Ocean Blades (Gt. Britain), Ltd io Orridge & Co. (Valuers, &c.) Col. Supp.
Pam Manfg. Co., Ltd. (Sanitary
Pads)
Perfume)
Parscent, Ltd. 18 Perry & Hope, Ltd. (Phosphate of
Soda) viii Pharmaceutical Corporation, Ltd.
(Novasentic Germicide) 3
Pitman, Sir Isaac, & Sons, Ltd. (Books) 22
Poth, Hille & Co., Ltd. (Ceresine Wax) xvi
Potter & Clarke, Ltd. (Wholesale
Preemo Co. (Perfume Essences) 14
Premo Brushes, Ltd. (All-rubber Brushes)
Prescott, A. (Cacao Butter, &c.) iv
Roberts & Co. (Robuval, &c.) x
Roberts' Patent Filling Machine Co. 28 Robinson & Sons, Ltd. (Perfumery
Boxes)
Boxes) 8 Rodgers, J., & Sons, Ltd. (Scissors) 18 Rose, J. L., Ltd. (Pyrogallic Acid) ii Roura & Forgus (Quicksiler) ii
Rudduck & Co. (Shopfittings) Col. Supp.

	
Scott & Turner, Ltd. (Andrews Liver	
Salt) xix	
Scruton, O., & Co. (Nurse Harvey's Mixture)	
Scurr. C. A. (Ontical Tuition) vv	
Shadeine Co. (Hair Dyes)	
Shadforth Prescription Service	
("Brain Sparklers") xii	
Shaw, J., & Sons (W'hampton), Ltd. (Trojan Inhaler) xxii Sherley, A. F., & Co., Ltd. (Veterivary Preparations) xxiii	
Sherley, A. F., & Co., Ltd. (Veteri-	
pary Preparations) xxiii	
Sherwood Confectionery Co. (Cough Pastilles)	
Smith, T. & H., Ltd. (Alkaloids) v	
Pastilles) ix Smith, T. & H., Ltd. (Alkaloids) v Southalf Bros. & Barclay, Ltd.	
(Sanitary Towels) xx Speer, W. R., & Son (Toothbrushes) 14	
Spencer & Co. (Chatelain's Prepara-	
tions) 10	
Stapleton & Son (Archanium) ix	
Stevens & Manning (Sieves and	
Gauzes) xii	i
Sterns, Ltd. (Oils, Petroleum) xiv Stevens & Manning (Sieves and Gauzes) xii Sumner's Typhoo Tea, Ltd. Leader Page Surgical Hosiery Co., Ltd xxiii	

Taylor, Edward, Ltd. (Flexoplast	
Adhesive Bandage) xxi Tokalon, Ltd. (Face Powder, &c.) 23	
Tolkien, C., & Co., Ltd. (Malt	
Extract) C	5
Tomlinson & Hayward, Ltd. (Animal	,
Cod Liver Oil) Leader Page T.P. Company (Hand Cleaner) xx	
United Chemists' Association, Ltd.	
(Iodised Throat Lozenges) 30)
Wafer Razor Co., Ltd. (Razor Blades) 8 Waide, Thos., & Sons, Ltd. (Printers) 21	
Webster, T., & Co., Ltd. (Stoppers) xx	
Whitaker & Co. (Kendal), Ltd. (Hat	
Dyes, Household Dyes) 22	
Wilson & Mansfield (Eucalyptus Oil)	
Zeal, G. H., Ltd. (Clinicals) xxii	i
Zimmermann, A. & M. (Chemicals) iii	1



CONTRACTS 1932 - 33

SERVICE & SATISFACTION



EXTRACT MALT EXTRACT WITH COD LIVER OIL

HOSPITALS, INSTITUTIONS, ETC.

IN BULK OR PACKED

HOME & EXPORT

WHOLESALE & RETAIL

MALT EXTRACT WORKS SILSDEN. Yorkshire

Telephone:

Telegrams:

REMOGEN, PHONE, STEETON STEETON 69

A large selection of attractive "own name" labels is available. Liberal display material supplied with all orders. Also price tickets, etc.

London Address: 461a CALEDONIAN ROAD, N.7 'Phone North 5047



THE VITAMIN MALT FOOD

Does not crystallise
—is always palatable—keeps indefinitely

MILLAMALT is the "Rolls Royce" of malt extracts and is well worth your attention. Manufactured under expert control—it is an extremely palatable malt extract of high Vitamin content. Chocolate or Toffee Flavour. SHOWS GOOD PROFITS. Ask us to send you samples and prices.

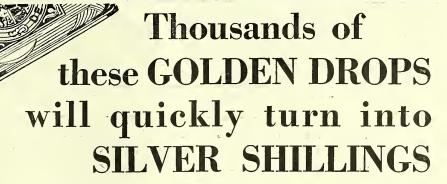
Jeffreys, Miller & Co. Ltd.

LEYLAND MILLS-

-WIGAN







Take advantage of this NEW AND EXCEPTIONAL OPPORTUNITY . . .

Special Christmas Offer to Public of Trial Size Bottles of an exclusive 3 guinea perfume for 1/- . . .

AN EXTRA PROFIT-BRINGER AT XMAS backed by a BIG CONCENTRATED NATIONAL ADVERTISING CAMPAIGN

SPECIAL TRADE OFFER

for a limited period only.

8/- A DOZEN BOTTLES, OR 3 DOZEN FOR **£1**

Remember quality has built an already big demand for "Lady Gay," and the new scheme will increase this scores of times over. Don't miss this opportunity.

"LADY GAY" Perfume has enjoyed everincreasing success amongst well-to-do women as a perfume of entrancing allure.

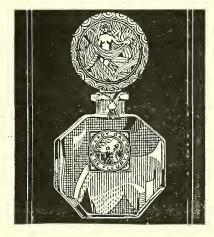
Now we are launching a scheme which brings this 3 guinea perfume within the reach of millions of women. National and provincial advertising will create enormous demand for the I/- trial size flacons of this wonderful creation. These flacons will make an irresistible appeal at the Xmas shopping period.

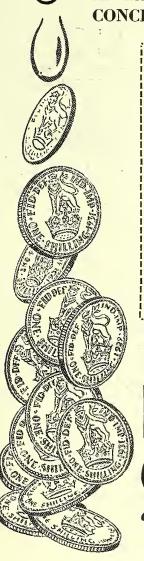
A display in your window and on your counter will very soon *prove* to you the *money-making* possibilities of this new series.

Do not miss the "Lady Gay" boom. Order early and fully.

Parfumerie De Fleury, Rawdon, Leeds

LADY
GAY
a perfume by de fleury





ODON

FOR RHEUMATISM, GOUT SCIATICA AND GRAVEL

SOLD IN BOTTLES 3/- 5/- & 12/-

GIVE YOUR CUSTOMER SATISFACTION BY MAKING THAT YOU ARE BEING SUPPLIED WITH FRESH STOCK BY SEEING THAT THE STAMP OR PACKAGE BEARS THE NAME OF THE

SOLE AGENTS



SPENCER & CO

20 QUEEN ST., HAMMERSMITH, LONDON, W.6 **TELEPHONE: RIVERSIDE 1712**

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to-

OSCAR SCRUTON & CO., YORK

No, you don't

want to be without a stock of PAM SANITARY PADS. Your women customers want the best, and if you don't stock PAM, how can they get them ?

NOW is the time to obtain your stockwhile the Bonus offer is still open. Don't be left out of this great

sales opportunity.



Pam Manufacturing Co. Ltd. 10 Kingly Street, Regent St., W.1



will give that finishing touch to convince the potential buyer that yours are the goods for Christmas presents. Illustrated List, in colours, No. C.D. 1380, showing tickets, posters, window slips, and all decorations applicable to the festive season, free on meution of this journal.

DUDLEY & CO. LTD. 451 HOLLOWAY RD. LONDON, N.7.

City Showrooms-65-66 FORE STREET, E.C. で、日本大学との他で、日本との様々と



BLADES BETTER THAN EVER ! Made in our OWN Factory from first quality Steel by improved process guaranteeing super-keen edge. A firm f.vourite. Over a hundred million sold to date. Sure profit and no risk

"CONQUEROR"

BLADES-Another Winner! Gross, 5/6. Retail, 12 for 1/-

Knock-out value in a penny blade, Best Silver Steel only used. Samples and attractive Showcards Free. Leading Wholesalers stock both "OCEAN" and "CONQUEROR." For direct supplies send P.O. or cheque to: Clerk. 6257

OCEAN BLADES (Gt. Britain) Ltd., Sales Dept., 1-6 Bridgewater Place,
BLADES also made under customer's own name. State quantity.

E.C.1

MAW'S CHEMISTS' OWN NAME PACKED GOODS



Maw's Own Name Packed Goods give the touch of quality to your pharmacy. They single you out as a progressive pharmacist with modern ideas. All lines are admirably produced and three distinct designs are available. You need never use the same design as a neighbouring chemist.

High Quality—Competitive Prices—Generous Profits.
Uniform packing for bottles, pots and cartons.
Good quality bottles with metal screw caps.
All bottles wrapped in Transparent Tissue.
Three Brands:—Discus, Chevron, M.
Attractive Showcard with every line.
Twenty popular lines in a variety of sizes.

MAW · LONDON & BARNET

S. MAW, SON & SONS, LTD., 7/12 Aldersgate St., LONDON, E.C.I

Tee!TOILET
TUMBLERS

POWDER BLUE

PINK & GREEN MOTTLED

SAXE BLUE

Choice of these Five Art Colours

SAGE GREEN

With every
1/- Tube of

EBONY

TOOTH PASTE

-to your customers Link up with the new Odol Sales Campaign

The amazing growth in the sales of Odol Tooth Paste has been the talk of the trade. Now an additional sales inducement is made in the form of an artistic, non-fragile Toilet Tumbler given FREE to all purchasers of a 1/-size tube.

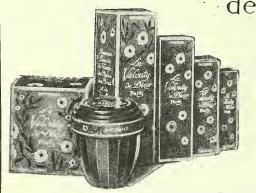
For years the Odol Toilet Tumbler has been a prominent feature in Odol publicity and now we offer to your customers the most generous gift ever made. Your Odol sales will be enormous during the next few months. Place your order as quickly as possible. National advertising will support this scheme and stimulate demand so you may order freely with confidence. An attractive showcard will be sent with all orders. Send your order at once! Do not miss the big sales that await you!

CRANBUX, L^{TD}
ODOL WORKS: WESTWICK ST., NORWICH



Still the Smoothest Toothpaste made

the original combined Cream and Powder



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES:-No. 1. Handbag tube 3/- doz. Retail -/41 No. 2. Small tube - 4/- ,, No. 3. Medium tube 7/- ,, No. 4. Large tube - 14/- ,, 2/-No. 5. Super tube - 22/- ,, 3/-Pots (glass) - 21/- ;, Pots de luxe (unbreakable) - - 36/- ;, 2/9 Made in four shades:

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers:

DIXOR, LTD., 68, Newman St., Oxford St., London, W.1

Sole Distributors for

Northern Ireland: ROBERT MAYRS & CO., 43 Chichester Street, BELFAST Irish Free State: MAY, ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

FOR OVER 25 YEARS THE FIXATIVE



Anzora sales continue to increase by leaps and bounds. The first, finest and still the most popular fixative, it is beating all previous sales records. Consistent and forceful National advertising is swelling the already huge army of Anzora buyers. It's well worth your while to keep the screwcapped bottle well-dis-played. Remember, ten million men prefer and regularly use Anzora -a real 'bread and butter' line, and BRITISH!

of all others

TRADE TERMS Small size sells at 1/-8/- dozen. Medium size sells at 1/6 12/- dozen.

Large size sells at 2/6
20/- dozen.
These prices do not apply to
the I. F. S.

BOTH MASTER

ANZORA PERFUMERY CO., LTD. LONDON, N.W.6

In the MANUFACTURE of your TOILET PREPARATIONS.

You can always rely on the quality and uniform strength of the

PREEMO ESSENCES.

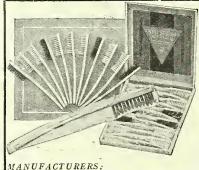
They will mix freely with spirit, water, fat and oil.

Send for Free Samples and Price List.

THE PREEMO CO

63 High Holborn, London, W.C.1





Reg. No. 523,323

TOOTH

BRUSH BONEHANDLES

WHITE UNBLEACHED, OR BLACK BRISTLES

Names free on 6 doz. lots.

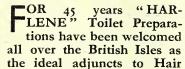
6/6 per doz. From all wholesalers

.R.SPEER & SON, 215 Dalston Lane, E.8. EST. 100 YEARS.

Merit-Advertising

THOUSANDS DAILY PRACTISE HARLENE HAIR-DRILL

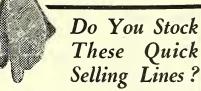




Health and Hair Beauty. The pre-eminent position they enjoy to-day is maintained by their sheer MERIT plus an extensive and forceful Advertising Campaign which is ALWAYS in operation. The result is SALES—REGULAR Sales which YOU should take advantage of by maintaining a COMPLETE stock of the popular "Harlene" Range.



Miniature reproduction of the type of Publicity which appears regularly in the National and Periodical Press,



HARLENE

HAIR GROWER

"CREMEX"
SHAMPOO POWDERS

"UZON" Brilliantine

"HARLENE" Wave Setting

"Harlene" Camomile
GOLDEN HAIR WASH

"ASTOL" for Grey Hair

TRADE TERMS ON APPLICATION

Kindly address all communications to the Company

EDWARDS'

HARLENE

LIMITED

20/26 Lamb's Conduit St.

LONDON

W.C.I



The Razoriess Shave

will be increasingly advertised up to FULL PAGES in several issues of the November and December publications of the following papers:

> **NEWS CHRONICLE** DAILY SKETCH DAILY MIRROR PEOPLE EMPIRE NEWS SUNDAY GRAPHIC SUNDAY PICTORIAL RADIO TIMES JOHN BULL PASSING SHOW EVERYBODY'S WEEKLY ANSWERS TIT-BITS HUMORIST FILM WEEKLY FILM PICTORIAL **PICTUREGOER** WEEKLY TELEGRAPH and many other Leading Papers FURTHER ADVERTISEMENTS will appear in all leading local newspapers of important cities and towns



BONUS SCHEME CLOSES ON NOV. 19th

13 for 12, 1/9 size at - - - 14/6 13 for 12, 2/9 size at - - - 23/-

For each 3 dozen order you receive FOUR CONTAINERS FREE! $2\frac{1}{2}\%$ cash discount 10 days, or monthly net.

"SNOW" has proved a great seller. There is bound to be an enormous demand. Therefore order at once to secure your proportion of the business which our advertising will create.

A new clientele will be calling upon you.

Our coupon advertising will cease from November, after which all our advertisements will refer to high-class Chemists and Druggists for supply.

Order Window displays which we shall forward at once, carriage paid. All wholesalers supply orders for less than a dozen.

BRITANNIA LABORATORIES

SALES PROMOTION DEPARTMENT

W. E. MARSHALL

201 Salisbury Square House, London, E.C.4



Christmas with 2 novel features



The illustration shows how the razor fits securely in its case through the spring action of the end button, whilst the razor handle holds the lid of the blade box in position.

People buying presents look for something out of the ordinary. That is why this new Daymark Razor Set in the Moulded Case will be popular this Xmas.

The outfit is so arranged that it cannot rattle. The razor has a tiny spring button in the end of the handle which holds the razor tightly in position.

The razor is supported by a moulded bracket which forms the lid of a concealed spare blade box. Neither razor nor blades can become disarranged when the lid of the case is closed.

Truly a novelty with sclling points.

No. 205-The complete outfit includes beautifully polished moulded case, special Daymark Razor in gilt and five Myatt Daymark Blades, retailing at

TRADE DISCOUNTS **INCREASED**

The trade discount on all models of the Daymark Razor from 5/- upwards has been increased to 331%, showing

a discount of 50% on cost.

OTHER DELIGHTFUL MODELS AT POPULAR PRICES

STANDARD OUTFIT

No. 199

Heavily-plated Razor, plated casc for spare blades, and one Myatt Daymark Blade. Handsome velvet-lined leatherette spring-lid case. The Set 26

LEATHERETTE OUTFIT

No. 200

Heavily-plated Daymark Razor, five Myatt Daymark Blades and spare blade box. Handsome crushed morocco - grain velvet - lined leatherette case. The Set

PLATED OUTFIT

No. 210

Silver-plated Daymark Razor and ten Myatt Blades, with unique spare blade box in handsome plated velvet - lined spring-lid case. The Set 10'6

De-Luxe Outfits at 211- and 251-

AYMARK RAZOR SETS

Sole Manufacturers:

W. J. MYATT & CO., LTD., Argent Works, Birmingham

WHY OTSTOCK

THE NEW PIVER HANDBAG SIZE FLORAL PERFUMES?

Wholesale 24/- Retail 3/-

Packed in a dainty Perfume stand.offered free and forming an attractive display.

Obtainable in the 12 following delightful fragrances Ambre, Chypre, Muguet, Narcisse,

Oeillet, Fougère, Héliotrope, Jasmin, Lavande, Lilas, Rose & Violette.

PARSCENT Ltd. 102, Dean St, London, W.I. Telephone - Ger. 1650.

RESILTS

\$ 28 W T

TES PLEUKS DE L.I.PIVER

The Perfect Hair Dressing

COMPETITIO

We have pleasure in announcing the RESULTS of the BRYLCREEM WINDOW DRESSING COMPETITION, closed on Oct. 8th last.

CHEMISTS & STORES.
1st Prize—E. Jones, 29 North Street, Guildford, Surrey.
2nd Prize — Spellow Drug Stores, Ltd., 16 County Road, Walton, Liverpool.
3rd Prize—R. F. Jones, 167 Anlaby Road, Hull.
JUDGE—The Editor of "Display."

HAIRDRESSERS

HAIRDRESSERS.

1st Prize—Mr. C. H. Tipping, 149 Commercial
Road, Newport, Mon.
2nd Prize—J. A. Ford (The Efficiency Saloons),
589 Foleshill Road, Coventry.

3rd Prize—J. J. Simpson, Barbauld Street,
Warrington.

**JUDGE—The Editor of "Hairdressers" Weekly
**Journal."

The Best of All Prize of an additional £10 has been awarded by Chas. H. Sell, Esq., F.I.P.A., Director of Sells Ltd., to E. Jones, 29 North Street, Guildford, Surrey.

IT PAYS TO DISPLAY BRYLCREEM

(Owing to the large number of entries we regret we were unable to announce the winners on Oct. 29th.)

The COUNTY PERFUMERY CO., Bradford St., Birmingham

Yes! STAINLESS

-not Chrome Platedto SELL at this price!

Rodgers' Stainless Scissors at this exceptionally low price open up an entirely **

Each

Retail

British Made

Trade Mark Granted 1682

made by RODGERS

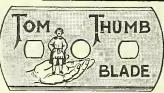
-and

new s urge of business. Be one of the first to show them. No. PII88 Nurses' 5 in. Scissor, Stainless throughout. 3/-JOSEPH RODGERS & SONS, LTD.

Cutlers to His Majesty. No. 6 Works, SHEFFIELD.

UP AND LET IT SELL ITSELF Supplied on cards or boxed. Show cards

with every



GEORGE IBBERSON & CO. Razor Works, 146 West St., Sheffield

MANT SEPTIKO C.

THERE IS NOTHING UNCERTAIN.

A NTISEPTIKOL is a thoroughly efficient fragrant and refreshing Dental Cream; each tube is filled with a preparation that will cleanse, brighten and whiten teeth with protection from caries, also possessing the added virtues of keeping gums firm and the entire oral cavity in an aseptic and healthy condition. It makes no extravagant claims, but will uphold the prestige of the Chemist in recommending items that will honestly benefit his patrons.

1/- PER
TUBE

This showcard is particularly striking, the colour scheme being Silver, Green, Black and Vermilion. Monochrome does not do it justice, and as an attraction and business compeller it will be found unequalled either in window or on counter. It will make sales almost automatic, thus saving valuable sales time for you and your assistants in their busy day.



PER 8/-

ANTISEPTIKO L Ltd. Sole Wholesale Distributors:
J. C. GAMBLES & CO., LTD.
211-215 BLACKFRIARS RD., LONDON, S.E.1

"All in"

Super Concentrates to produce COLOGNE PERFUMES

ORDINARY COLOGNE STRENGTH 10/- Pint. Eau de Cologne only.

TEST
SAMPLE
SUPPLIED.

Formula
To produce
one pint
EAU
DE COLOGNE
(or any Perfume)
take—
"Super Concentrate" 1 oz.,



EXTRA
COLOGNE
QUALITY
15/- Pint.

Also the following: CARNATION. CHYPRE. EAU DE COLOGNE. FANTASIA " JASMIN. LAVENDER WATER. LILAC. LILY OF THE VALLEY. MIMOSA. OPOPONAX. SWEET PEA. VIOLET and others.

Methylated Spirit 19 ozs. Mix, and Perfume is then ready for use.

By this process, fragrant refreshing Perfumes are possible, costing 1/- per pint, equal to any Continental make.

CLAYTON & JOWETT, Ltd., 46, Wood St., Liverpool.



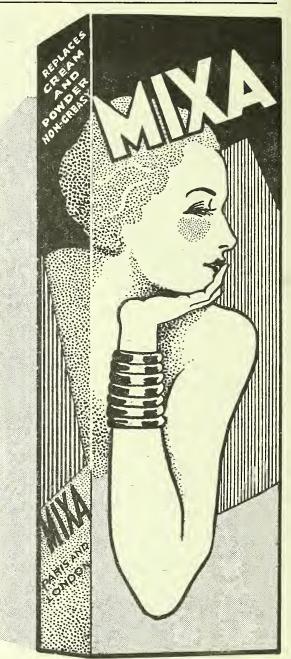
SINCE THIS ADVERTISEMENT APPEARED . . .



hundreds more chemists have decided to



Get in touch with your Wholesaler to-day or write to:
 PREMO BRUSHES LIMITED, The Rubber Works,
 PETERSFIELD, HANTS.



MIXA POWDER CREAM

A product of surpassing excellence and irreproachable perfume. Attractively packed and with handsome show matter, MIXA is a sure repeat seller. Stock now; consistent advertising will support you. Retail Price Trade Price

Large - - 2/- - - 16/- doz.

Medium - 1/3 - - 10/- ,,

Small - - 6d. - - 4/- ,,

Special Distribution Terms 15 to the Dozen

A Product of

CHARLES ROGER LABORATORIES, LTD.
15GREAT JAMES STREET, LONDON, W.C.I



LIGHTEST-MEDIUM-DENSE. And All Other Grades To Suit Every Purpose. CHEMICALS FOR ALL INDUSTRIES.

Thone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London."

A. LEVERMORE & CO. LTD. ABC Codes, 110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

LONDON COLLEGE OF

(Founded by H. WOOTTON, B.Sc.) C. W. GOSLING, Ph.C. Principal: IRVINE G. RANKIN, B.Sc., Ph.C.

SPECIALISTS IN TRAINING PHARMACISTS.

Day - Evening - Full-Time - Part-Time and Revision Courses. PRELIM. SCIENTIFIC———CHEMIST & DRUGGIST QUALIFYING

New Session has only just Commenced. Prospectus Post Free.

Apply to the Secretary, 361 CLAPHAM ROAD, S.W.9

Telephone: Brixton 2161.

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopæia. (VINUM AURANTII B.P.) Samples from Head Office Thomas Street, DUBLIN, or London Office, 74 Great Tower Street LONDON, E.C.3 (Wholesate only.)

WINNER STOCKING DYES

Make OLD, FADED or SPLASHED STOCKINGS of any material like NEW again.

Smartly packed in Waxed Tuhes and Cartons. Supplied in 12 Latest Stocking Colours:—Copper Beech, Suntan, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Rose Glow, Smoke Grey, Dagounmetal. Price 2!-per dozen. Retail 3d, per Tube. Very attractive Display Case free with one gross. Order to-day from:—

WHITAKER & CO. (Kendal) LTD.



WINNER HOME DYES
THE FINEST OBTAINABLE for WOOL, SILK,
COTTON, etc.
Smartly packed in Waxed Tubes and Cartons. Supplied in 24
Specially Concentrated Fast Colours:—Black, Navy Blue, Blue, Bus,
Blue, Roya, Bark Brown, Durk Brown, Durger Brown, Purple,
Lavender, Mauve, Green, Dark Green, Emerald, Red, Pink, Cherry,
Old Rose, Grey, Cream, Yellow, Orange, Brick. Price 2½-per dozen.
Retail 3d, per Tuhe. Very attractive Display Case free with one gross.

Due Specialists for Chemists, KENDAL, ENG.

В,

XTRA HIGHVISCOSITY HOLROYD'S OIL & CERESINE CO., LTD. 3 NewLondon St., London, E.C.3. Thome: 3395 Royal, Wires: Errikotroy Fen.



TRAGACANTH and ARABIC

As Imported or Finely Powdered

WHITE SHELLAC

FREDK, FINK & CO., 10 & II Mincing Lane, London, E.C.3

Telephone: ROYAL 5094. * 145 A. ...

THE ART OF WINDOW DISPLAY

This complete guide to attractive and successful window display is the work of leading experts. It should be studied by every retailer, for it provides the fundamentals of increased business.

Yeast specially prepared for medicinal purposes GUARANTEED ABSOLUTELY PURE

MIDGLEY & PARKINSON, LTD., Warren Works, Pudsey, LEEDS

selling agents for Great Britain—
THE OLD STRAND CHEMICAL & DRUG CO., LTD.
Audrey House, Ely Place, London, E.C.1



220 pp. 21/- net.

PARKER STREET, KINGSWAY, W.C.2







"We have ample evidence that the millions of readers of the Daily Mail

the entire

spread over

country are of

the buying

77 classes

Messrs. Kruschen Ltd.

CONSISTENT ADVERTISING BRINGS RESULTS

12 YEARS WITHOUT A BREAK

a leading advertiser has expressed a keen appreciation of the unrivalled selling power of The Daily Mail. The following letter is from Mr. A. Marland, director of E. Griffiths

Our confidence in The Daily Mail Our confidence in The Daily Mait such that our advertising agents vertisement spaces in The Daily Mait our various lines no less than 230 advertisement spaces in The Daily our various lines no less man zou au-vertisement spaces in The Daily Mail for 1933. In taking such a large amount of

Mail for 1933.
In taking such a large amount of space in The Daily Mail we are continuing the policy of bold consistent quality of the goods, has made this advertising which, coupled with the quality of the goods, has made this we have had a regular displayed wertisement for Kruschen Salts in we have had a regular displayed The hall, Mail avenue work without Advertisement for Kruschen Salts in The Daily Mail every Week Without every week for twelve years, and one since it was first introduced in 1924.

HOUSEHOLD WORDS

Both these brands are now house hold words with a nation-wide sale, hold words with a nation-wide sale, which proves what can be done sale, backing of intensive national adver:

May. The Daily

Mail spread readers of the build as a national distribution Daily Mail as a national distribution builder. Duilder.
These two factors make The Daily
Mail indispensable in any national
objective the selling of goods to the
British Public as a whole.

Daily Mail

Two essentials to rapid Sealing

First of all the Lightning Automatic Sealing Machine—efficient, speedy, clean in use and economical. Then the "Lightning Labeller" for quickly moistening gummed labels. Both of these are essential to you if you want to economise.

LIGHTNING AUTOMATIC SEALING MACHINE



will take tape up to $1\frac{1}{2}$ " in width and dispense it in pre-arranged lengths from 2"to 8". Net price 45/-.

LIGHTNING LABELLER

IN THREE STYLES

5" Wide Galvanised Finish - 20/-5" Wide Crystalline Black Finish 22/6 9" Wide Galvanised Finish - 30/-



Write for a FREE copy of the "GUMMED TAPE BOOK" and "LABELLER LEAFLET,"

SAMUEL JONES & Co. Ltd.

Bridewell Place, London, E.C.4.

Telephone: City 9407 (10 lines).



WITH LEMON FLAVOUR



GLYCERINE PASTILLES with Lemon Flavour:

40Z TIN ... 1/.

The old time favourte soother of tired and sore throats—glycerine and lemon. This new Galen pastille is recommended for the purity of its ingredients, convenient packing and reasonable retail price of 1/- per 4 oz. tin.

CINNAMON LOZENGES: An effective lozenge highly medicated with the purest oil of cinnamon. 6d. per tin.

SISTER'S THROAT PASTILLES: Enjoys a strong demand. A warming and soothing pastille of the Chlorodyne type. Packed in 4 oz; tins at I/- each. Also in 6d. tins.

MITCHAM MINTS: Are hand-made lozenges with a high content of real Mitcham ol. menth. pip. 6d. per tin.

GLYCERINE & BLACKCURRANT PASTILLES:

A blending of real blackcurrant fruit juice and glycerine. The popular fruit throat pastille, welcomed for its agreeable flavour and efficacy. In 4 oz. tins at I/-

GALEN UCTS

Manufactured by THE GALEN PRODUCTS CO., LTD., STOCKPORT

Sole Selling Agents:

THOMPSON & CAPPER WHOLESALE LTD. Manesty Buildings, College Lane, LIVERPOOL

"BARNETT for BOTTLES"

Let this be your Motto

30 YEARS' EXPERIENCE AT YOUR SERVICE. QUICK DELIVERIES KEENEST PRICES **BEST QUALITY**

JACK L. BA

A B A

Let

30 YEARS' E.

AT YOUR S

QUICK DELI

KEENEST PR

BEST QUAL

Medicals, Pois

Panels, Fancy

Screw Neck, C

Metal Tops.

New Ideas Su

Special Novel

WHOLESALE

JACK L. BA

18 Basingha

Call, Write, or Medicals, Poisons, Vials, Kalis, Panels, Fancy Perfume, Screw Neck, Composition & Metal Tops. All sizes & shapes New Ideas Submitted Special Novelty Containers.

WHOLESALE ONLY

JACK L. BARNETT, LTD.

Basinghall Street, Leeds.

Call, Write, or Phone: Leeds 28447.



Guard your Cash!! RELIABLE CASH REGISTERS

The illustration shows "KING'S" DREADNOUGHT REGISTER

Strongly Built. Mahogany Finish. Also supplied Light Oak Finish on new and original lines

A Marvel of Value.

Only 29/6

Size, back to front over-all 17½", width 9½" Height at back 7", Height in front 61", large cash

capacity, also compartment for Notes, Lever Lock fitted to lid, 14 different patterns of Cash Tills in stock to select from Should this pattern not suit you. Send for list, Free & Post free.

IF YOU WANT TILL ROLLS -LOOK-

Cash Till Papers, from 2/- per doz. Standard rulings also plain, suitable for use with O'Brien's, Gledhill's, "National," or any make of Cash Register. Send specimen of your Till paper, stating make of Cash Register you use, when we will forward sample of Cash Till Roll to match yours, with current price, free of charge and post free.

J. C. KING, Ltd. 42 Goswell Road, London, E.C.1

Telephones: Clerkenwell 2317 (8 lines) Telegrams: Maintoom, London

SOL-VO gives a good margin of profit to the Chemist and is economical for the customer because it contains nearly three times as much paper as the "so-called" cheap varieties. It pays to stock and display SOL-VO. Why not give it a trial?

Simply atfach your label to the accompanying form and send it, together with 16/6, to

FORD, SHAPLAND & CO. Ltd.

St. Turnstile, High Holborn, London, W.C.1 TELEPHONE: HOLBORN 4695.



TRIAL PARCEL.

1 doz. Rolls: 1 doz. Packets.: 1 Cut-ont:100 "Personal Hygiene" Leaflets Cash 16/6 should accompany every order.

Please send me/us your Trial Parcel and Display Material for which cash value 16/6 is enclosed

Date

ATTACH YOUR LABEL HERE

Arnaud's

Toilet Preparations

AKNAUDS



ARNAUD'S BRILLIANTINE
ARNAUD'S TOILET PARAFFIN
ARNAUD'S HONEY & FLOWERS

1 oz. Retail 6d. 2 oz. Retail 9d. 4 oz. Retail 1s. 3d. ,, doz. 4/- ,, doz. 6/- ,, doz. 9s.

ARNAUD'S BAY RUM

4 oz. Retail 101d. doz. 56



60-64 ARTILLERY LANE LONDON E.1.

MANCHESTER: 24 LUNA ST., GREAT ANCOATS

'Phones: BISHOPSGATE 4761 (5 lines)

'Grams: "HOREHOUND, PHONE, LONDON."

50th YEAR OF PUBLICATION.

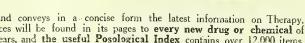
PHARMACOPOEIA

TWENTIETH EDITION

REVISED BY

W. HARRISON MARTINDALE, Ph.D.

1216+xlviii pp.



The work has been completely re-set and revised and conveys in a concise form the latest information on Therapy, Chemistry, Pharmacy and Allied Sciences. References will be found in its pages to every new drug or chemical of importance introduced to Medicine during recent years, and the useful Posological Index contains over 12,000 items.

A few headings may be cited :-

ARSENICALS, ORGANIC. A complete revision of this subject, with some new compounds.

COAL TAR SYNTHETICS. Numerous additions.

EPHEDRINE. Properties and uses of the alkaloid and salts.

ERGOT. Review of recent work on making and assaying preparations.

IODINE. Consideration of solvents for surgical solutions.

INSULIN. Dose, diet and technique.

HALOGENISED SALICYLIC DERIVATIVES. New data on.

MERCURIALS, ORGANIC. Details of several new compounds.

SODIUM MORRHUATE, QUININE-URETHANE, and other sclerosing agents for varicose veins.

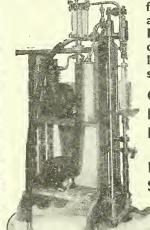
VITAMINS 'A' to 'G,' with preparations of commerce.

Patents, Trade Marks, Dangerous Drugs Acts amended to date. A synopsis of changes and additions in the new B.P. 27/6 net, post free to any part of the world 28/-

". . . . It is impossible to imagine any dispensary bookshelf being complete without it."—Pharm. Inl., Oct. 15, 1932.

H. K. LEWIS & CO., LTD., 136 GOWER STREET, LONDON, W.C., or W. MARTINDALE, 12 NEW CAVENDISH STREET, LONDON, W.1.

ROBERTS' PATENT



Glass, Tin Bottles. Fills all sizes from drachm to quartshort long, sprinkler neck.

Clean and Rapid No Over Filling Broken Bottles Rejected Easy to Clean Self Rinsing

> WRITE = FORPARTICULARS

Roberts' Patent Filling Machine Co.

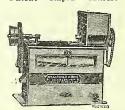
T. ROBERTS, Proprietor,

33 Roundcroft Street, Bolton, Lancashire Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use. ALL RIGHTS RESERVED

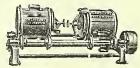




Patent " Rapid " Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill

for Chemical purposes must be rapid, superfine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

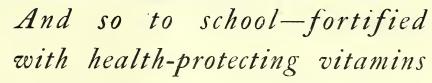
They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.

BRISTOL ROAD, GLOUGESTER

Telephone: 2288 (2 lines). Telegrams: "Gardner, Gloucester." London Office: 19 Gray's Inn Chambers 20 High Holborn, W.C.L. Telephone: Chancery 7347.





COD LIVER OIL WITH MALT EXTRACT

The coming months, looked upon by mothers as a danger period for their children, afford a great opportunity of increasing your turnover of 'KEPLER' COD LIVER OIL WITH MALT EXTRACT and of building goodwill.

- 1. Vitamin content, assured by test.
- 2. Hygienic container, contents kept fresh and free from contamination to the end.
- 3. Delicious flavour, children like it and take it readily.

A counter display is worth while

to the Trade,
24/6 per doz.
and
43/6 per doz.
(subject)

Prices in London



BURROUGHS WELLCOME & CO.
LONDON



OUICK PROFIT
THROUGH



BRAND

EXTRA STRONG
DIRECTIONS
OF TORICE
SILVEY SEARCH AND THE CONTROL OF THE CON

THE MOST PROFITABLE OF IODISED THROAT LOZENGES.

UCAL BRAND

SAFETY FIRST IODISED THROAT LOZENGES

TERMS:-

81D COSTS - 4/6 DOZ. 12 DOZ.- 4/3 DOZ.

1/3 SIZE

COSTS - 7/6 DOZ.

3 DOZ. - 7/- DOZ.

NEW SEASON'S DISPLAY

MATERIAL AVAILABLE

UNITED CHEMISTS' ASSOCIATION, LTD.

Manufacturing Chemists,

CHELTENHAM, and 4 and 6 KEITH GROVE, LONDON, W.12.

Phone: Cheltenham 3021.

Phone. London: Shepherd's Bush, 3437/8.

CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

PUBLISHED AT

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (8 lines)

BRANCH OFFICES
4 CANNON STREET, MANCHESTER (TEL.: BLACKFRIARS 3052)
54 FOSTER'S BUILDINGS, HIGH STREET, SHEFFIELD (TEL.: 22453)

99 QUEEN STREET, MELBOURNE, AUSTRALIA

19 WATERLOO STREET, GLASGOW (TEL.: CENTRAL 2329)

CONTENTS VOL. 117. NO. 2753 **NOVEMBER 12, 1932** . . . PAGE Legal Reports 574 Ceylon Trade 573 Pablicity Scheme for Association Meet-Coming Events 572 Liverpool Medical Pharmacy 576 578 ings Corner for Students 591 Exhibition 579 583 Rirtha Retirement of Mr. Deaths 583 Marriages 583 Pharmaco-British W. Johnston 579 Editorial Article :pœia, 1932 586 Retrespect 558 New Companies .. 574 Business Changes : 574 Fowler's Selution 585 News of the Weck 569 Scottish Notes 571 Festivities 578 Correspondence :-Personalities 583 Topical Reflections 572 From Pharmacist to Letters ,..... 596 P h a r m accutical Trade Marks 575 Pharmacien 580 Society of Great Dispensing Notes 598 Trade Notes 582 Information Depart-Britain :-Legal Queries 598 Trade Report 592 Schelarships Miscellaneous Inment 584 591 598 Irish Notes 571 Mechings 591 Branch Your Trade Paper., 577 quiries

lews of the Week

Import Duties Advisory Committee

The Import Duties Advisory Committee announce that they have received applications for increases in the rate of duty on carbons (decolourising and activated) other than animal, and for the addition of crude iodine and copper iodide to the Free List. Any representations which interested parties desire to make in regard to these applications should be addressed in writing to to these applications should be addressed in the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, London, November 24, 1932. The Com-S.W.1, not later than November 24, 1932. The Committee desire that representations should, so far as possible, be made by representative bodies of trades concerned.

L.C.C. Pharmacists' Conditions of Service

Under the Local Government Act, 1929, which came into force on April 1, 1930, the twenty-eight boards of guardians in the metropolitan area handed over their combined staff of 26,000 persons and over 100 hospitals and institutions to the London County Council. New terms for pharmacists in this service have for some months been the subject of negotiations between the L.C.C. and the Guild of Public Pharmacists and other associations. The first step was to ask that only the statutory qualifications of the Pharmaceutical Society should be recognised in future appointments. This was acceded to, and the title "pharmacist" adopted in place of "dispenser." Mr. R. W. Lindsey, president of the Guild of Public Pharmacists at the time, led a deputation which was attentively received by the L.C.C. officials, when many points of value were ably put and discussed. The original proposals of salaries and conditions of service were considered unsatisfactory by the pharmaceutical representatives. Dr. C. H. Hampshire, secretary of the Pharmacopæia Commission, was then invited by the L.C.C. to visit some of the Council's

hospitals and to advise and report on the pharmaceutical service. Many suggestions of Dr. Hampshire's were incorporated in the revised terms, which were passed by the Council on November 1, 1932. The scales of salaries and conditions of service for the dispensing staff as recommended in the report of the Central Public Health Committee were adopted by the L.C.C. as follows: --

(a) "Only persons who are registered as pharmaceutical chemists or as chemists and druggists to be eligible for appointment as pharmacists in the hospitals, institutions or district dispensaries.

(b) "An unregistered dispenser, an articled pupil, or an apprentice to be eligible for employment only in those hospitals, etc., where there are authorised positions for dispensing staff in addition to two pharmacists."

These terms apply to ninety-four pharmacists under the L.C.C. The additional expenditure involved will decrease ultimately to an average of £37 per annum. The scale of salaries is as follows:-

Grade "A" Pharmacists, £400-£20-£500 per annum. Grade "B" Pharmacists, £300 to £375 per annum. Grade "C" Pharmacists, £250 to £300 per annum. Assistant Pharmacist, £225 to £275 per annum.

Grade "A" are general hospitals, over 600 beds. Grade "B" are general hospitals, over 400 to 600 beds. Grade "C" fever hospitals, institutions and outdoor

On reviewing the terms it must be remembered that the years spent in training and consequent loss of earning power for the pharmacist demand an adequate return when in charge of a dispensing department of a large general hospital. Some satisfaction will be felt over these terms in pharmaceutical circles, and congratulations are due to Dr. Hampshire, to the Guild of Public Pharmacists, and to Mr. R. W. Lindsey and Mr. A. H. Jenkin for their valuable work in a difficult time of financial stringency.

Window-Dressing Awards

At a window-dressing competition held in connection with a shopping festival organised by the Oldham Chamber of Trade, the prize for the best display by chemists in the "inner area" was awarded to Braddocks, 7A Manchester Street. In the "outer area" Mr. F. Davies, Huddersfield Road, gained the first prize, and Mr. J. Allan, Abbey Hills Road, the second.

The results of the Brylcreem window-dressing competition, which closed on October 8, have now been announced by the County Perfumery Co., Bradford Street, Birmingham. In the section confined to



chemists, the first three places were occupied respectively by Mr. E. Jones, Guildford; Spellow Drug Stores, Ltd., Liverpool; Mr. R. F. Jones, Hull. The first-named, whose window display is shown in the accompanying illustration, has also been awarded the "best of all" prize.

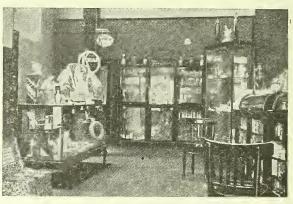
A New Pharmacy in North London

Mr. T. J. Morris, F.S.M.C., chemist and druggist, Muswell Hill, London, N.10, who has recently opened a



branch establishment at Avenue Parade, N.10, has sent us the following details and photographs regarding it.

The fitting was undertaken by Harper & Hodges, Hendon, in conjunction with J. C. King, Ltd., Goswell Road, E.C. The front is of bronze-metal, the fascia being black marmorite with the lettering in red. The



whole of the internal fittings are in mahogany. Mr. Stanley Mote, chemist and druggist, a former assistant, is managing the pharmaceutical side of the business, while the optical department is under the personal supervision of the proprietor.

Birmingham

"British Wines" was the subject of a lecture delivered to the Birmingham and Midlands section of the Institute of Chemistry, by Mr. N. C. Beetlestone, B.Sc., A.I.C., on November 8.

The death is announced of Professor A. B. Hill, M.D., M.Sc., F.I.C., at the age of seventy-eight. Dr. Hill was Emeritus Professor of Hygiene and Public Health in the University of Birmingham, his association with which dated back to the days of the old Queen's College, prior to the incorporation of the University. He was a public analyst and a medical officer of health, with a reputation as author and lecturer by no means confined to his native city.

Manchester

The members of the Committee of the International Optical League, who have been meeting in London, visited the Manchester College of Technology on November 4.

During Mr. Adams's visit to Manchester, on November 3, he was shown over the pharmaceutical department at the University by Mr. James Grier, M.Sc. He was afterwards entertained to dinner at the Victoria Hotel, at which about a dozen officials and members of the Association and local Branch were present.

Miscellaneous

Christmas holiday. — The Chancellor of the Exchequer announced in the House of Commons, on November 3, that he proposed to recommend that the necessary steps be taken to declare Tuesday, December 27, a bank holiday this year in England and Wales.

INQUEST.—The Westminster coroner opened, on

INQUEST.—The Westminster coroner opened, on November 4, an inquiry concerning the death of Mabel Hill, who was found dead in a London hotel. Divisional Detective-Inspector G. Nurse said that in a room at the hotel he found a bottle labelled "Prussic Acid, one ounce, dil.," apparently sold by a chemist in Yorkshire. Witness had seen the poison-register kept by the chemist, and the writing was no doubt identical with that of Herbert Turner, who had stated that he knew the chemist from whom he bought the poison, and he signed the register. The Coroner: It seems a foolish thing to sell poison like that?—There is an explanation. The chemist said to him, "What do you want it for?" and he replied, "To poison two puppies." The chemist said "Fetch them to me," but he said "The owner wants to see them destroyed." The inquiry was adjourned.

In the courts.—At the Central Criminal Court, London, on November 2, Charles May (48), dealer, Islington, pleaded "Not guilty" to charges of receiving 591 dozen boxes of Aspro tablets, knowing them to have been stolen. Mr. St. John Hutchinson, prosecuting, said that the Aspro, when stolen, found its way to the defendant's shop, and he had sold 40 dozen for £8 to a man named Camp, whereas the proper price was £12. The defendant was found "Guilty," and was sentenced to fifteen months' hard labour.—At West Bromwich Police Court, on November 2, Archibald J. Little, Handsworth, who was employed as manager of the West Bromwich depôt of Walfox, Ltd., manufacturing chemists, Batley, was fined £3 for having made false entries in a cash-book with intent to defraud.—At Marylebone Police Court, London, on November 5, Alfred S. Goodman, Richard Perry, and Alfred Little-child were committed for trial on charges of assault and robbery (C. & D., October 29, p. 513).

Scottish Notes

Brevities

Mr. J. D. McLeod, chemist and druggist, who has been in business in Kilwinning for many years, has received an appointment in South Africa.

The final tie in the hole-and-hole competition of the Edinburgh Pharmacy Golf Club and for the possession of the Dick challenge medal was played recently, and resulted in a victory for Mr. W. Stewart, who defeated Mr. D. Barrie.

Irish Notes

Brevities

Mr. J. Dougherty, Ph.C., has opened a pharmacy at Wellington Street, Ballymena.

Mr. Dermott McGrath, Ph.C., has opened a medical hall in the Bull Ring, Drogheda.

Hayes, Conyngham & Robinson, Ltd., chemists, have opened a branch at Ranelagh, co. Dublin.



MISS F M. FLOOD, M.P.S.I., THE FIRST LADY MEMBER OF THE COUNCIL OF THE PHARMACEUTICAL SOCIETY OF IRELAND, IN HER PHARMACY

Presiding at a meeting of Bangor Swimming Club, of which he is president, Sir Thomas McMullan (a member of the Council of the Pharmaceutical Society of Northern Ireland) handed the Corporation a cheque for

 $\ensuremath{\mbox{\it fioo}}$ as a contribution from the club to the new baths in the town.

Mr. Bernard Murphy, Ph.C., 213 Shirland Road, London, W.9, has been appointed an examiner in pharmacy to the Pharmaceutical Society of Ireland.

A pleasant function took place at the North Star Hotel, Dublin, on November 5, when Mr. Austin O'Malley, M.P.S.I., Vernon Avenue, Clontarf, was presented with a gold wristlet watch by a number of friends on the occasion of his departure from Dublin to found a branch of his business at Castlebar.

Notice has appeared in "The Belfast Gazette" that, pursuant to Section 16 (5) of the Pharmacy and Poiscns Act (Northern Ireland), 1925, the Minister of Home Affairs for Northern Ireland has directed that the name of William Gardiner, late of 16 John Street, Lurgan, be struck out of the Register of registered druggists.

Mr. David L. Kirkpatrick, Ph.C., secretary of the Pharmaceutical Society of Northern Ireland, met with an unfortunate accident on November 7, while on a journey from Belfast to co. Armagh. Mr. Kirkpatrick, it appears, alighted from his car to render aid to another motorist. A lorry came along and skidded into him, knocking him down and breaking his arm. His many friends will join in wishing him a speedy recovery.

The Minister for Industry and Commerce in the Irish Free State has appointed a Commission to consider and report whether it is desirable in the public interest to establish a system of registration of shops or other places in which the retail sale of commodities is, or may be, carried on, and, if so, on what principles and subject to what conditions and exceptions such a system of registration should be established, and for that purpose to inquire into the existing conditions in which such sale of commodities is carried on. The secretary is Mr. E. Duggan, of the Department of Industry and Commerce, Lord Edward Street, Dublin.

An inquest was concluded at Dun Laoghaire concerning the death of Mr. Charles H. McCrea, a former member of the Bray Urban Council. Dr. W. Ashmore stated in evidence that he had been treating the deceased for insomnia, and had prescribed Dial tablets for him. In his opinion death was due to an overdose. Mr. G. W. Irwin, L.P.S.I., manager to Hayes, Conyngham & Robinson, Ltd., at Upper George's Street, Dun Laoghaire, stated that Mr. McCrea purchased twelve Dial tablets at the pharmacy under a prescription from Dr. Ashmore. Instructions were given that only two of the tablets were to be taken each night. Mr. B. R. Allshire, L.P.S.I., Glasnevin, stated that he was the wholesale distributor of products which included Dial The maximum dose for twenty-four hours was five tablets. Dr. Ansen reported a case of a European who took twenty-four tablets at one dose without suffering permanent injury. The witness said that he had never heard of a case of Dial proving fatal. He had known of a case in which a man took six tablets at night and slept for twenty-four hours. If some other substance was taken with Dial a synergistic action would occur. By other substances he meant drugs; including alcohol. Mr. Hubert A. Cole, L.P.S.I., Glasthule, stated that on October 21 Mr. McCrea called at his pharmacy and produced a prescription by Dr. Ashmore for twelve Dial tablets, which were supplied. The jury returned a verdict of "Death from misadventure."

Belfast

Mr. D. A. Taylor, Ph.C., has acquired the Queen's Bridge Pharmacy, Belfast.

Mr. John Caldwell, Ph.C., is opening a pharmacy at 57 Chichester Street, Belfast.

The Children Act Committee of Belfast Corporation has accepted the quotation of Mr. W. E. Wilson, Ph.C., 31 North Street, for medicinal requirements to Balmoral Industrial School.

The opening meeting of the winter session of the Chemical Society of Ulster was held at Queen's University on November 3. Mr. C. L. Wilson, B.Sc., delivered the presidential address.

Mr. Horatio Todd, J.P., Ph.C., who has already presented several rare birds for the aviary in Botanic Gardens Park, Belfast, has made a further contribution. Mr. Todd was thanked at a recent meeting of the Corporation.

A successful dance organised by the staff of Thomas McMullan & Co., Ltd., manufacturing chemists, Belfast, took place on November 4 in the Carlton Restaurant. The guests numbered about 250, and the proceeds will be devoted to the Benn Hospital.

Four Belfast chemists, Messrs, R. Andrew, J. F. Browne, H. F. Moore and D. L. Kirkpatrick, had the honour of being invited to a recent meeting of the North Belfast Branch of the Medical Guild. Messrs. Andrew and Kirkpatrick were unable to be present, but Dr. Hayden, who presided, welcomed Messrs. Browne and Moore. An interesting discussion took place on "Health Insurance Prescriptions."

Coming Events

Monday, November 14

South-West London Chemists' Association and Branch of the Pharmaceutical Society, Carpenters' Restaurant, Clapham Common, at 8.30 p.m. Mr. F. W. Adams (assistant secretary of the Pharmaceutical Society) on "Activities at 17 Blooms-bury Square" (lantern lecture).

Tuesday, November 15

Pharmaceutical Society of Great Britain, North Metropolitan Branch, North Library, Manor Gardens, Holloway, N., at 8.39 p.m. Mr. Herbert Skinner, Ph.C., on "Sterilisation Methods."

Wednesday, November 16

Manchester Pharmaceutical Association, Midland Hotel. Annual dinner and dance. Reception 6.30 p.m. to 7 p.m., dinner 7 p.m. to 9 p.m., dance 9.15 p.m. to 11.30 p.m. Tickets 10s. 6d. each.

Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. Claude A. Jones (Canadian Pacific Railway Co.) on "Canada Bound."

Railway Co.) on "Canada Bound."

Pharmaceutical Society of Great Britain, Stockport and District Branch, Masonic Guildhall, Wellington Road, South Stockport. Whist drive and dance, dancing 7.30 p.m. until 1 a.m. Tickets, 4s 6d. each (under 21, 2s. 6d.) from the social secretary, Mr. E. Bennett, 2 Crosby Street, Stockport.

West Ham and Eastern District Association of Pharmacists and Branch of the Pharmaceutical Society, Church Institute, 27 Romford Road, Stratford, at 9.15 p.m. Dr. C. H. Hampshire (secretary of the Pharmacopeia Commission and chairman of the British Pharmaceutical Conference, 1933) on "The British Pharmacopeia, 1932."

Thursday, November 17

Western (London) Pharmacists' Association, Trocadero Restaurant, London, W.1. Dinner and dance. Reception 6.30 p.m. Tickets, 12s. 6d. each, from Mr. G. Thomas, 26 Upper Montagu Street, W.1.

North East and East London Pharmaceutical Association and Branch of the Pharmaceutical Society, Metropolitan Hospital, Kingsland Road, at 3 p.m. Mr. F. W. J. Hooper on "The New B.P."

Fharmaceutical Society of Great Britain, Bath and District Branch, The Old Red House, New Bond Street, Bath, at 7.30 p.m. Annual supper and social evening.

Friday, November 18

Pharmaceutical Society of Great Britain, North British Branch, 56 York Place, Edinburgh, at 8 p.m. Evening meeting. Dr. R. J. D. Graham (lecturer on botany, Edinburgh University) will deliver the inaugural sessional address "From Seashore

Topical Reflections

By Xrayser

No Better Case

for the new British Pharmacopæia could, I imagine, be made out than that presented by Mr. R. R. Bennett to the large audience recently assembled in Glasgow. He explained clearly and succinctly the policy of the Pharmacopæia Commission, showed how that policy was based on logical grounds, and then directed attention to the present position of some of the more important official drugs (C. & D., Novem-ber 5, p. 551). His audience was also made aware of the new relation in which the British Pharmaceutical Codex will henceforth be linked up with the Pharmacopeia, and told how it is hoped that new issues of the British and United States Pharmacopeias will alternate in appearance at regular and not too far distant Truly an excellent case, and one which we should all hope may prove to have in it something more than hopeful conjecture based upon present intentions or desires. It is to be remembered that the production of the British Pharmacopæia still remains one of the functions of the General Medical Council, the Pharmacopæia Committee of which will continue to function after the Pharmacopæia Commission has ceased to exist, and that a very different policy from that of the Commission may prevail a few years hence. Pharmacy is still far from being accorded the recognition that is its due in connection with the production of the Pairith Pharmacognia and its come to tion of the British Pharmacopæia, and it seems to me doubtful if it ever will attain to its proper position in that respect until appropriate legislative steps have been taken.

Less Satisfactory

than the optimistic outlook of Mr. Bennett are the general impressions produced by the new Pharmacopæia on the analyst who directs attention in your columns to some startling anomalies in the book (p. 561). Lack of co-ordination among the compilers

suggests itself to me as the possible reason why those anomalies exist, but there may be a more profound cause, as your contributor seems to fear. In any case, it would appear that more time might have been spent with advantage in critically scanning the final proofs, with the object of securing greater uniformity of phraseology and less doubtful accuracy. Once more I feel prompted to express regret that those proofs could not have been expressed to a few of the crown could not have been submitted to a few of the professional experts, whose criticisms are steadily accumulating to an extent that can hardly be acceptable in high places and are decidedly disconcerting to those of us who have to work with the Pharmacopæia as our standard and guide. It is well, however, that we should have our attention directed should have our attention directed promptly to all anomalies that can be detected, and the craft is again under obligation to the C. & D. for enabling this to be done so expeditiously.

Mr. William Johnston

deserves well of the chemists and druggists of this country if ever anyone did, and his relinquishment of his position as secretary of the Drug Trade Appeal Fund (p. 549) brings this to mind. Never so prominent as others with whom he has worked faithfully and fruitfully for so many years past, he has probably been responsible for the accruing of benefits to our business to a much greater extent than is commonly realized. His recollections of events that led to changes realised. His recollections of events that led to changes in practice now regarded by newcomers into pharmacy as matters of ancient history are always interesting, and all his friends and well-wishers will unite in wishing him many happy years in retirement. There are few so well qualified as Mr. Johnston to help to disentangle the provisions and guide us through the ramifications of the Medicine Stamp Acts. Meanwhile it is good to know that the Drug Trade Appeal Fund will continue to exist.

Ceylon Trade Improves

In the course of the last month there has been some improvement in the price of all raw produce exported from Ceylon. A sympathetic rise has affected the whole of the import trade. There is a general hopefulness in regard to the future in all trade circles in Ceylon. The importations of cameras and photographic accessories, chiefly from the United Kingdom, Germany, Belgium and the United States of America, continues to be steady, the monthly absorption being worth about Rs.10,000. Photographic material from the United Kingdom is highly valued. Of the total import something more than half came from the United Kingdom are valued by Ceylon photographers because of their high quality and general reliability under the most trying tropical conditions. In recent times German and Belgian chemicals, chiefly in solution are being used by certain photographers. From a future-patronage point of view the fair quality and price of British products deserve to be emphasised from time to time.

Owing to the wide prevalence of skin diseases in the mango ripening season there is a large demand for mild-strength carbolic soap for general use. A general utility, unperfumed soap of fair quality selling at about a penny a 4-oz. cake wholesale is also in great demand. Considering the fact that Ceylon imports per annum about five lakhs of rupees worth of soap, of which rather more than half comes from the United Kingdom, soap manufacturers of the United Kingdom will do well to continue to keep in close touch with the true nature of the demand in Ceylon, whether of toilet, perfumed, or medicated type. Suitable packing and intelligent advertising are both necessary in the popularising of any brand of soap. The demand for toilet powders and scents is particularly strong and growing. The United Kingdom leads the way in toilet powders, with the United States of America, Germany and France following next in order of merit. The United Kingdom is the chief supplier of perfumed spirits, with Germany next in importance.



FITTINGS DESIGNED AND INSTALLED FOR JOHN NELSON, LTD., LIME STREET, LIVERPOOL, BY D. MATTHEWS & SON, LTD., MANCHESTER STREET, LIVERPOOL. ON ACCOUNT OF THE NARROWNESS OF THE SPACE, SLIDING DOORS OF FRAMELESS GLASS HAVE BEEN FITTED TO THE CASES. WOODWORK IS IN LIGHT OAK. METAL FITTINGS ARE CHROMIUM-PLATED.

Legal Reports

Motion Adjourned.—A motion in the action Parfumeries de Paris v. Silk was mentioned to Mr. Justice Eve in the Chancery Division of the High Court, London, on November 8. Mr. Lionel Cohen, K.C., for the plaintiffs, said the only question was whether the motion should be heard at once or whether there should be a speedy trial of the action. His Lordship: Passing off and trade-mark infringement is alleged? Mr. Cohen said that was so. He and Mr. Strangman (for the defence) had agreed that it would be better to take time to consider all the evidence on affidavit, and subject to his lordship's consent to take an adjournment of the motion until November 18. His lordship assented.

Sweet Spirit of Nitre.—In the Circuit Court, Cork, on November 1, Judge Kenny heard an appeal from a District Court decision in which the local inspector of food and drugs failed to obtain a conviction in a prosecution against Dr. J. J. Welply as proprietor of the Medical Hall, Bandon. The original summons alleged that the defendant sold to an inspector 6 oz. of sweet spirit of nitre which on analysis was found to be 87 per cent, deficient in ethyl nitrite. Mr. J. J. Meagher, B.L., appeared for the appellant and Mr. Daly for the respondent. Mr. Meagher said that the case was dismissed on a question of ownership of the premises. It was since ascertained that the registered owner was Dr. J. J. Welply, now retired. Analytical evidence having been given, the judge said he was satisfied that Dr. Welply was properly sued, and reversed the decision of the district justice, imposing a fine of 20s., and costs.

Adding to Insurance Prescriptions.—At Birmingham Police Court, on November 3, Mr. Henry T. M. Price, chemist and druggist, Coventry Road, Hay Mills, was summoned for obtaining 3s. 7d. by false pretences from the Birmingham Insurance Committee. Mr. D. L. Finnemore, who prosecuted, said the alleged fraud was of a very paltry kind. What it amounted to was that the defendant had deliberately added an item to prescriptions taken to him. An official of the Birmingham scriptions taken to him. An official of the Birmingham Insurance Committee said that 240 prescriptions had been proved to have been added to, with the result that £6 had been wrongly received by the defendant. A test prescription was sent to him, and that was later found to have been altered. Giving evidence, Mr. Price denied intent to defraud. People often told him, he said, when they brought prescriptions that they had forgotten to ask the doctor for something, or that the doctor had forgotten something. He had supplied the things added to the prescriptions. Mr. Willison, who defended, said the poor people in this district had good reason to be grateful for the kindness of the defendant, who was a man with a very big heart and tried to be serviceable to those who came into contact with him. He had been stupid and careless in what he had done, but he had not acted with fraudulent intent. chairman of the Bench said they were satisfied that there had been very serious irregularities, but they also thought there was no intent to defraud, and the case would therefore be dismissed.

Business Changes

Mr. James Allan, chemist and druggist, has opened a pharmacy at 11 Skirving Street, Shawlands, Glasgow.

 $\rm Mr.\ H.\ A.\ Boyd,$ chemist and druggist, has opened a pharmacy in Northgate, Blackburn.

The business of Mr. J. Lyle-Davison, chemist and druggist, 25 Camp Street, Lower Broughton, Manchester, has been purchased by Mr. James Wright Smith, chemist and druggist.

New Companies

and Company News

P.C. means Private Company and R.O. Registered Office.

The Leneuf Syndicate, Ltd. (P.C.).—Capital £5,000. Objects: To acquire any invention relating to viscose; to carry on any manufacturing, chemical, research or other business, etc. R.O.: 95 Gresham Street, E.C.2.

Massogene Products, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturing chemists, manufacturers of and dealers in chemicals, essential oils, etc. R.O.: 8 Stellman Street, Clapton, E.5.

A. Bloom (Chemists), Ltd. (P.C.).—Capital floo. Objects: To carry on the business of chemists and druggists, manufacturers of and dealers in medicines, drugs, etc. R.O.: 124 Commercial Street, Newport, Mon.

H. S. Jarvis (Croydon), Ltd. (P.C.).—Capital £100. Objects: To acquire the business of a pharmaceutical chemist, etc., carried on by H. S. C. Jarvis, M.P.S., at 89-91 Whitehorse Road, Croydon, as "Walloms Cash Chemist."

Norsil, Ltd. (P.C.).—Capital £600. Objects: To carry on the business of manufacturers and merchants of cellulose, acetate, bakelite, synthetic resins, formal-dehyde compounds, acids, etc. R.O.: 60 Queen Victoria Street, London, E.C.

Oxo (CANADA), LTD. (P.C.).—Capital £10,000. Objects: To adopt an agreement with Oxo, Ltd., and to carry on the business of food specialists, manufacturers of and dealers in foods and other products of all kinds, etc. R.O.: Thames House, Queen Street Place, E.C.

MILTON & MILTON, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of wholesale and retail chemists, druggists, manufacturers of and dealers in all kinds of medicinal preparations, chemicals, perfumery and toilet preparations, etc. Solicitors: Frank Collis & Son, Provincial Bank Chambers, Stoke-on-Trent.

Voluntary Liquidations

Sangene Company, Limited, 16A Barker Street, Manchester, manufacturers of surgical goods.—The statutory meeting of creditors was held recently at the offices of Messrs. Dunderdale, Galloway & Wignall, Manchester, when the statement of affairs showed liabilities of £2,915 2s. 7d., all due to unsecured creditors. The assets consisted of stock £168 3s. 2d., valued at £75; stock of cartons £215, put down at £10; plant and machinery £121 os. 8d., estimated to produce £40; fixtures and fittings £61 16s. 11d., expected to realise £20; motor cars £51 5s., valued at £10; and book debts £321 17s. 11d., put down at £186 12s. 8d., making a total of £341 12s. 8d. After allowing £66 12s. 9d. for preferential claims, the net assets were £274 19s. 11d., or a deficiency of £2,640 2s. 8d. It was reported that a proposed arrangement with the creditors could not be carried out, as one firm would not assent and commenced proceedings. Mr. M. Miguel, of 32 Kennedy Street, Manchester, had been nominated as liquidator. It was pointed out that under the original scheme it was proposed that a payment of 5s. in the £ should be made to the creditors, whilst in the liquidation nothing like that amount would be forthcoming. A resolution was passed confirming the appointment of Mr. Miguel as liquidator, and a committee was also appointed.

The Harry A. Penney Co., Ltd., 18-20 Copthall House, Copthall Avenue, London, E.C., druggists' distributors.—The statutory meeting of creditors was held

on November 4 at the Institute of Chartered Accountants, Moorgate Place, London, E.C., when Mr. Little, one of the directors of the company, presided. A statement of affairs was submitted, which disclosed liabilities of £8,075 6s. 6d., of which £6,007 os. 8d. was due to trade and loan creditors; the National Provincial Bank, Ltd., were creditors for £1,089 16s. 3d., and Lloyd's Bank, Ltd., were creditors for £923 9s. 7d. Both the banks were secured by personal guarantees. There were also partly secured creditors for £65, holding security valued at £10, leaving them unsecured for £55. There was also a contingent liability in respect £55. There was also a contingent liability in respect of a lease amounting to £1,164 approximately. The assets comprised cash in hand, £9 os. 11d.; sundry debtors, estimated to realise £750; stock on hand, valued at £25, and insurance in advance, £10, making total assets of £794 os. 11d., from which had to be deducted preferential claims of £40; leaving net assets of £754 os. 11d., or a deficiency of £7,321 5s. 7d. The share capital of the company amounted to £16,000, so that there was a total deficency to be accounted for of £23,321 5s. 7d. That was explained by the trading losses for the ten months to October 31, 1931, £1,974 18s. 6d.; and for the twelve months to October 31, 1932, £5,389 12s. 4d. The estimated losses on realisation of assets was: book debts, £181 5s. ?d.; stock, £11 8s. 9d.; goodwill, £5,176 12s. 2d.; trademarks, £74 8s. Id.; preliminary expenses, £387 2s. 6d.; marks, £74 8s. id.; preliminary expenses, £387 2s. 6d.; and development account, £10,125 18s. 4d. Mr. Little said that the company was formed early in 1929 with a view to acting as distributors for certain American manufacturers. Shortly afterwards the American slump set in and affected the position very seriously. By the end of 1931, however, the company had reached the stage where they were trading at a reasonable profit and the directors considered that eventually the business would prove to be very successful. Immediately afterwards there was a complete reversal of the whole position, which was due partly to the fall in the f. It became impossible eventually to import goods from America and sell them on a profitable basis. Endeavours had been made to rebuild the business and Mr. Little said he was by far the largest creditor now. He had also guaranteed the two banking accounts. He thought the creditors would agree that the change in the company's fortunes was due to circumstances completely outside the directors' control. At a meeting of shareholders a resolution had been passed nominating Mr. S. Gordon Crimes, of Messrs. Thompson, Kingdom, Marbeck & Co., C.A., 150 Southampton Row, London, W.C., as liquidator. A creditor asked what the value of the stock was at the end of 1931, and also whether of the stock was at the end of 1931, and also whether particulars could be given with regard to the purchases for the current year. Mr. Little said that the turnover in 1931 was £15,800, but he could not say what the turnover was for this year. The stock at the end of last year amounted to £2,400, and the total overheads were in the neighbourhood of £7,000 for 1931. Answering a further question, he said that out of the £16,000 capital, £12,000 was issued for cash, and the other £4,000 represented the consideration when the company took over the old Penney company's business. The matter was discussed at some length, and it was eventually decided to leave the matter in the hands of the liquidator nominated by the shareholders.

Bankruptcy Reports

Re Harry Ogley, 53b Aberdeen Walk, Scarborough, Yorkshire, herbalist.—The first meeting of creditors herein was held recently at the Official Receiver's office, Scarborough. A statement of affairs was submitted which showed gross liabilities of £201 15s. 9d., of which £195 5s. 3d. was expected to rank for dividend. The assets were estimated to realise £22 10s., and there was a deficiency of £172 15s. 3d. Debtor attributed his failure to "lack of capital and being forced to vacate my original premises." The returns were satisfactory, but debtor had to leave the premises owing to a lease being granted to another person. The case, being a summary one, was left in the hands of the Official Receiver as trustee.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," October 26, 1932.)

"TINOCINE": for chemicals used in insecticides (1). By British Dyestuffs Corporation, Ltd. Blackley, Manchester. 534,217.

"Gamil"; for veterinary preparations for game and poultry (2). By Vet Remedies, Ltd., 21-23 Eagle Street, London, W.C.1. 534,577.

"Tantivy" over design incorporating horse's head; for veterinary, medicines (2) and for cattle foods (42). By B. C. Tipper & Son, Ltd., 43 Homer Street, Balsall Hoath, Birmingham. 534,663/4. (Associated.)

"CARRIS" under design incorporating letters "C L,"
"Q R U," and words "Cure You" ("Carris" disclaimed); for medicated preparations excluding tonic sherry wine and similar goods (3). By Carris's, I.td., 341 Upper Parliament Street, Liverpool. 551,202.

"A B C" monogram on circle surrounded by words "Vestigia Nulla Retroraum"; for all goods (3). By Hedges (Chemists), Ltd., 10-12 Dalo End, Birmingham. 532,918.

"APICOSAN"; for medicinal chemicals (3). By A. Wolff, Johannistal 48, Bielefeld, Germany. 533,585.

"CAPIAS"; for medicinal chemicals excluding antiseptic lotion for the scalp, etc. (3). By Medicinal Remedies, Ltd., 80 King Street, Dudley. 534,911.

"Sepsemul"; for acriflavine emulsions (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 535,032.

"BEVENO"; for all goods (3). By Veno Drug Co., Ltd., Chester Road, Manchester, S.W. 535,087. (Associated.)

"SIMODINE"; for medicines (3). By Sim Robinson, 19 Broad Street, Blaenavon, Monmouthshire. 535,145. "DETENSYL": for medicinal chemicals (3). By A. Gril-

"DETENSYL"; for medicinal chemicals (3). By A. Grilletto, 8 Avenue Walkanaer, Nice, France. 535,183.

"Com-Tone": for perfumery, etc. (48). By Mabel B. Chell, Yatton Hall, Yatton, Somerset. 534,882.

"4711" on label designs, including words "Eau de Cologne" (or other articles), "Blue & Gold" and "Double" ("Blue & Gold" disclaimed); for all goods (48). By P. P. Mulhens, Glockengasse 26, Cologne, Germany. 534,489/490/491. (Associated.)

"Musk Deer Brand" under picture of deer; for raw Chinese thubarb roots for medicinal use (4). By Glathe & Witt, 106 Szeehuen Road, Shanghai China. 525,695.

"FLAP-JACK"; for vanity boxes (14). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove. 535,041.

"USSR" and "CCCP" on design of ring and wheat ear ("USSR" and "CCCP" disclaimed); for all goods (47 and 48). By Akzionernoje Obschestwo Dlia Prodajichle-boproduktow Za Granizei Exportehleb, Corner of Maneshnaja Uliza and Twerskaja, Moscow. 531,627/623. (Associated.)

"CLAROUTY"; for a composition to prevent condensation on glass (50). By The Clarocit Co., Ltd., 110 Great Portland Street, London, W.1. 526,172.

(From "The Trade Marks Journal," November 2, 1932.)

"Sterogen"; for chemicals (2). By Lionite Laboratories, Ltd., 6 & 7 West Smithfield, London, E.C.1. 534,150.

"Keltic Pride Brand," with design of bird wearing Welsh hat; for medicinal chemicals (3). By J. E. Jones, 37 Bolina Road, South Bermondsey, S.E.16. 532,544. (Associated.)

"MENTOLOGIN"; for pastilles for coughs, etc. (3). By Henry Davis (Newbury), Ltd., 37 Northbrook Street, Newbury, Parks, 574,034

Newbury, Berks. 534,034.

"Kembrol," "Kemposan," "Laxifabs" and "Trueasp"; for medicated preparations (3). By T. H. Walton & Co., Ltd., Smithics Mill, Bradford Road, Batley. 534,816/819/820/822. (Associated.)

"NISALAX"; for medicinal preparations (3). By D. F. Jones, 43 St. Fagans Road, Cardiff. 535,147.

"URIGOTAL"; for medicinal chemicals (3). By F. Montague, 29 Sicilian Avenue, Southampton Row, London, W.C.2. 535,312.

Publicity Scheme for Pharmacy

MEETING of the members of the National Pharmaceutical Union in the Metropolitan and adjoining areas was held on November 3 at the Holborn Restaurant, London, W.C.I, to discuss the possibilities of national advertising and publicity for pharmacists. Mr. J. E. French (Sittingbourne) presided over a representative attendance.

The CHAIRMAN, at the outset, explained that the Executive of the Union had been receiving letters from members suggesting that the pharmaceutical service should no longer be a silent service, and urging them to prepare a scheme of national advertising. These letters culminated in a resolution, and the present meeting was the first of a series of meetings to be held throughout England and Wales to consider what could be done.

The Secretary's Speech

Mr. G. A. Mallinson (secretary of the N.P.U.) said his task was to give the views of the Executive on the subject before them, and to ascertain the views of those present. One of the first things he had to do was to indicate the necessity for advertising and publicity. The Union, last April, sent out a questionnaire on national advertising, and received somewhat of a shock when they discovered what a small proportion of members were even interested at all, while of those interested in the matter only a minority desired to partake in any scheme. The questionnaire, however, was very useful, for it gave the Executive valuable information which enabled them to go forward in the matter. Thus, when the conference passed a resolution asking the Executive to bring forward a scheme, they were able to do it more easily than would otherwise have been the case. He submitted that there was a real necessity for publicity for pharmacists, for publicity was really what they had in mind.

What they wanted was publicity for the man with the qualification. At the present time they were suffering from inroads into their business from all sorts of directions. Almost every trader imagined that the best side-line he could take up was one or other of the lines sold by the pharmacist, and it was a serious danger for the pharmacist if all these people were going to continue to dabble in pharmaceutical specialities. Another aspect most prominent at the present time was the heavy advertising in the Press on behalf of the multiple shops. He did not suggest that it would be wise to go in for competition with these people. But such advertising made it necessary for them to do something to protect themselves from the effects of it. Then there was always the danger of any calling, by reason of its keeping quiet, dropping out of the public mind as the real channel of supply for certain things. Unless they kept on educating the public regarding the standard of their calling the public would ultimately treat them as ordinary shopkeepers, selling goods which might just as easily be obtained from other shops. Thus there was a real necessity for pharmacists to make widely known the standard of their qualification, and that it was there for the benefit and protection of the public. Practically speaking, pharmacists in this country had no protection in the practice of their calling, and they needed publicity to help them to hold what they had got. Even in countries where they had some protection they still felt the need of publicity to keep the business side going; such was the case in Germany, for example. A similar position was arising in France, where pharmacists were now inquiring as to how they could prevent the drug store from attracting the public.

The next thing was how pharmacists in this country could provide publicity for their calling. The existing organisations, with their present incomes, could not face the cost, for they had not sufficient funds to do it, either in the Union or the Chemists' Defence Association. They were thus forced to the conclusion that

they must create a new body, provide the necessary funds, and move as fast as the money and the interest taken in the matter would allow. It was proposed to call the new organisation the National Pharmaceutical Publicity Association. Membership should be restricted to members of the N.P.U. who were prepared to pay an initial membership fee of £1 is., and, in addition, to guarantee for, say, three years, an annual sum of £5 5s. What could they offer to the men who joined such an association? The first thing that suggested itself was the provision of a suitable sign, while in addition pamphlets might be provided describing what the sign stood for and what the pharmacist was. Those two things might be given out of the initial subscription paid by the members, and would give them an advantage over the non-members. They would thus be an incentive to others to come into the scheme. As a result of the publicity which they would be able to secure for pharmacy, as a whole, all pharmacists, of course, would benefit. But they had to take a broad point of view. He urged those present not to stand out because of the difficulty he had mentioned, otherwise they would get nothing done. They had got to be public-spirited enough to do something for the man who would not help himself, and there was no way of preventing every man in the calling receiving some benefit from publicity of the kind under consideration. Editorial publicity would be an important feature of the scheme.

With regard to the management, the Executive suggested that they should form the executive of the new body with power to co-opt any persons they thought would be useful. For instance, the trade Press might be asked to nominate representatives, and there might be men among the members who could give their experience of publicity. There was no intention of charging the new body with any expense, and therefore all the money subscribed would go for the purpose for which it was raised. When it came to the cost of advertising campaigns, these might involve an expenditure of anything from $f_{2,000}$ to $f_{100,000}$ a year. But the executive estimated that they ought to be able to get from 4,000 to 5,000 pharmacists to support the scheme with a £5 5s. subscription, and that would mean an annual income of about £20,000. With that guaranteed for three years they could put up a very live publicity campaign for pharmacy. There was no question of arranging any campaign until that sum was assured. This was the first meeting of a series, and he hoped members would decide to launch the National Pharmaceutical Publicity Association. The Executive would go to other areas, and they hoped to complete the meetings by February. He was sanguine enough to think that when the members of the Union realised what could be done there would be no difficulty in getting the necessary guarantees. The attitude of chemists was very curious; they all believed in local publicity, and it was found on inquiry that many of them spent over £20 a year in that direction. Local newspapers were a very minor feature; church magazines represented twice the expenditure on newspapers, circulars almost the same, bazaar catalogues, blotters, guide books, stamp machines, calendars and other things also being used. A lot of that kind of advertising he regarded as absolutely futile. They had found that chemists throughout the country were invariably in favour of publicity on a national scale, but when the cost was pointed out to them they were not quite so enthusiastic. Another point was that even when the proposed campaign was launched, members might not be able to put their finger on any financial return. But it might be that without such a campaign they would have been able to put their finger on a reduction in turnover. What the members had to do was to spend money in order to keep what business and advantages they had. The Executive of the Union were prepared to go forward if they saw the

required support forthcoming, and to co-operate with anyone to put into the public mind a proper appreciation of the services of the pharmacist. He thought they would be able to secure the co-operation of the wholesale trade. The great thing was to maintain in the public mind the status of the pharmacist and the qualification.

Discussion

During the subsequent discussion members expressed

unanimous approval of the scheme.

Mr. J. Hearle said he hoped it would not fail to secure the support of the practising pharmacists of the country. He could not quite see how they could differentiate between pharmacists who participated in the scheme and those who remained outside it.

Mr. W. B. Falding said he would be happy to back

any scheme that was put forward. £5 5s. a year was

not very much.

Mr. Bromley agreed with the idea of forming the new body, but thought that all work should be done by sending literature to those subscribing for it to distribute themselves. Such literature might be booklets, or, best of all, window posters. A regular series of window posters would be most useful. He did not agree with the idea of a sign, as many of them had got their shops littered up with signs already.

Mr. Skues thought the most valuable medium, and one of which they made too little use, was their

windows.

Mr. England said one thing they were up against was the apathy of the individual pharmacist. He thought, however, they should push forward with the

Mr. J. Milner thought the scheme Mr. Mallinson had outlined was a good one.

Mr. Greenbat suggested that a special effort should be made to get the company stores to come into the scheme. He would like to know how much similar bodies spent and what benefit they had received.

Mr. Young agreed that some scheme was necessary. Mr. DAVIDSON said the subject of the scheme should be to put pharmacy and pharmacists on a pinnacle, not only for the present, but also for the future. The public should be told how essential the individual pharmacist was to their safety, and signs should be employed to mark the national pharmacy everywhere.

Mr. Mallinson, replying to the discussion, said the Union could not consider the question of dragooning their members by imposing a levy. They had got to convince members that they needed national advertising. The difficulty of differentiating between unqualified people and the pharmacist was a problem yet to be considered. But they had got to see that, as far as possible, nobody but their own people obtained the benefit of what was done. Without attacking the company chemist they could emphasise their own advantages. A member ought to be able to go to the new association and ask for advertising or publicity matter for any special occasion, such as a shopping week.

A resolution, promising to support the Union in the formation of a "National Pharmaceutical Publicity Association," was enthusiastically adopted, on the proposition of Mr. Milner, seconded by Mr. Young.

The meeting concluded with a cordial expression of thanks to the chairman, moved by Mr. J. Milner and seconded by Mr. A. R. Melhuish.

Your Trade Paper

F it was possible to calculate the actual pounds, shillings and pence which a retailer who neglects to read his trade paper loses, publishers would never have to look for new subscribers. Reduce it to terms of money and you will appreciate this. Occasionally you meet the man who boasts that trade journals cannot teach him anything; but, while admitting their value, complains that he has not the time to read them-wise men make the time.

The retail chemist, with his long hours interfering with social engagements more than most business men, must read the trade journals. Being neither wholly a professional man nor wholly a commercial man, he tends to follow a middle course which does not encourage him to overcome obstacles. It is easy to fall into the business rut and become submerged with a mass of detail and routine work which takes up much time. His outlook is narrowed by a solitary existence. Over-seas chemists work under the same disadvantage. Their pharmacies are generally far from cities and associa-tions. This does not tend to raise the status of pharfor a large number of small shops conducted along different lines—in some cases, very narrow ones has proved to be detrimental to the profession, and if the practice is allowed to continue, may wreck it. To men isolated like these, reading of trade papers is a duty.

The Function of a Trade Paper

Remember that trade papers are written for all types in a particular profession or class. What does not appeal to you will genuinely interest somebody else, and what is passed over by your neighbour will be appreciated by you. The articles are written by men who are thinkers, and are sufficiently interested to spend their time noting their experiences and experi-ments for the benefit of their fellows. An editor does not expect you to accept and practise every idea he puts before you. Local circumstances often render the adoption of a suggestion impossible; but if the reading of it gives you only the nucleus of an idea which you can develop to suit your own business, it has been worth while.

Many wise chemists find that it pays them handsomely to look upon their trade paper as a correspondence course. The editorials concisely present the interests of the moment, and help to clarify views on controversial subjects. They contain suggestions and advice which are well worth thinking about. Business articles, owing to the unusual conditions that now prevail, are perhaps the most keenly sought after. Those which show how to combat the commercial evils which beset us, improve our display, our service, our selling methods, our book-keeping system, in short everything which points the way to business security, are to be found at some time or other in their pages. Scientific contributions and reports keep us in touch with modern methods, new drugs and chemicals, and give solutions to many of the problems arising in the dispensary. They include a summary of useful scientific facts which the average chemist wants but could never hope to compile for himself. Then we have the correspondence columns. Some of the letters contain an exceptional amount of thought, and (next to conferences, which are impossible for all of us to attend) the correspondence column offers us the best medium for the interchange of ideas and the ventilation of grievances.

Reputable journals accept advertisements only from reliable manufacturers and distributors, and that in itself is a recommendation of their trading methods. Further, by following the advertisements, the isolated chemist is able to learn something about new lines. Although these may be introduced later by travellers, it is often convenient to have had time to think about a line instead of having to decide and place an order on the spot. The arrival of a trade paper can be looked upon as a visit from a professional brother. Besides covering the scientific and commercial field it touches on the personal. It acquaints you with reports of committees, boards, associations and guilds from all over the countryside, with the successes and failures of individual chemists who have the same troubles to meet as you. These personal columns remind you that you are a member of a great brotherhood.—A CHEMIST OVERSEAS (9/9).

Association Meetings

Belfast .- A meeting of the Committee of the Chemists' and Druggists' Society of Ireland was held on Novcmber 3, Mr. Fred. Storey (president) in the chair. The president said that since their last meeting they had lost by death Mr. Samuel Suffern, who was highly esteemed by all sections of the trade. He moved that a vote of sympathy be sent to his family. Mr. Gibson, in seconding, said they all felt Mr. Suffern's loss very much. The vote was passed, the members standing. Mr. Gibson said they would like to congratulate Mr. Mr. Gibson said they would like to congratulate Mr. Storey on his election as a pharmaceutical member of the Council of the Pharmaceutical Society of Northern Ireland. Men who were much opposed to Mr. Storey's policy in abolishing the Registered Druggist grade yet admired him for his consistent and straightforward actions, and gave him their full support at the election. Mr. Martin, Mr. McQuitty and Mr. Macauley supported. Mr. Abernethy, who also supported said Mr. Storey had always been in the foresupported, said Mr. Storey had always been in the forefront in the past in helping pharmacy or doing anything for the good of their trade, and he (Mr. Abernethy) would be sorry to think Mr. Storey had gone back on his former attitude. Mr. Richey also congratulated Mr. Storey, but felt the same as Mr. Abernethy; as a matter of fact, at the last meeting of the U.R.D.T.A. the matter was discussed. Mr. Storey, replying, thanked Mr. Gibson and the other members for their congratulations on his election. Although he was now a pharmaceutical representative it made no difference; he had always worked in the interest of pharmacy, and that would still be his policy. With regard to his attitude towards the letter sent in to the Council from the U.R.D.T.A., he would thank Mr. Abernethy and Mr. Richcy for their candid remarks and was very glad that they had introduced the matter. He was astonished that this wrong impression should have been allowed to continue at the U.R.D.T.A. meeting. His attitude towards the sale of drugs and medicines by traders other than qualified chemists or druggists had not changed one iota; he was as much against it now as ever he had been, and was as willing to do all in his power to get something done to stop this. There was one statement he made in his remarks at the Council meeting (published in the C. & D.) which should have made the position quite clear. After discussion at the Council the letter was sent to the Law Committee, where it would be fully gone into and reported upon. The subcommittees were all reappointed, substituting Mr. Richey's name on the Finance Committee and Mr. McQuitty's name on the Social Committee in place of Mr. Suffern. It was announced that Mr. Theo. Harper would lecture on November 24. at 8.30 p.m., in the rooms, on "The new B.P.

London (W.).—A joint meeting of the Western Pharmacists' Association and the National Association of Women Pharmacists was held at Stewarts' Restaurant, 50 Old Bond Street, W.I., on November I, Mr. P. S. Windwood (president) in the chair. Dr. J. Stanley White gave an illustrated lecture on The Application of the Micro-Organism to Medicine. Dr. White exhibited two films depicting the way in which diphtheria antitoxin was prepared and standardised. The films also showed the way in which vaccines were made on a large scale, the preparation of calf lymph, and certain aspects of laboratory work. The lecturer deplored the fact that scarlet fever antitoxin, which, in his opinion, represented the greatest advance in serum therapy since Behring's work in 1891, was not official. This, he explained, was probably because there was no international agreement with regard to a standard The lecturer also briefly referred to the tubercle bacillus and to the work which was being done at the present time in regard to its biochemical analysis. He concluded an instructive address with a tribute to the part played by pharmacy in prophylactic medicine. A hearty vote of thanks was voiced by Mr. Baldry, Mrs. Adams and Mr. Melhuish.

Manchester.—A joint meeting of the Manchester Pharmaceutical Association and Manchester, Salford and District Branch of the Pharmaceutical Society was held on November 3, Mr. J. H. Franklin in the chair. Mr. Franklin welcomed Mr. F. W. Adams (assistant secretary of the Pharmaceutical Society) to Marchester. He was sure the lantern lecture Activities at Bloomsbury Square would prove interesting. The first slide was a reproduction of a very old print, which showed Bloomsbury Square in pre-Victorian days. Illustrations of the exterior were followed by those of the various offices, laboratories, museum, examination hall and Council chamber. Great interest was shown in the view of the department devoted to the breeding of white rats. Mr. Adams described each picture. Mr. J. Grier proposed a hearty vote of thanks to the lecturer. The slides, he said, had proved most interesting and instructive. Mr. Walters, in seconding, recounted his experiences of over forty years ago. Mr. Adams, in reply, said he hoped that in the near future they would have better accommodation. Mr. Dickson expressed the thanks of the meeting to Mr. Maskell for the efficient manner in which he had shown the slides.

Festivities

Ipswich and Suffolk Function

An enjoyable evening was spent by members of the Ipswich and Suffolk Branch of the Pharmaceutical Society at the annual dinner held in the Crown and Anchor Hotel, Ipswich, on November 2, Mr. Leslie Piper (president) in the chair. The guests included the Mayor and Mayoress of Ipswich and Mr. John Keall (vice-president of the Pharmaceutical Society). Dr. Eric Biddle (pathologist at the East Suffolk and Ipswich Hospital) proposed the toast of "The Pharmaceutical Society." It was only by belonging to such a society, he said, that one could keep in touch with the great advances in therapeutic science. He urged chemists to educate the public to the absurdities of empirical remedies and to the adoption of a rational view of disease. Mr. Keall, responding, said, with regard to empirical remedies, although much had been done by the British Medical Association, he thought that work would be done better in co-operation with the Pharmaceutical Society. He mentioned also the educative facilities provided by the Society. Other toasts were "The Town and Trade of Ipswich," proposed by Mr. S. J. Stearn and responded to by the Mayor; "The Ipswich and Suffolk Branch of the Pharmaceutical Society," proposed by Mr. T. A. Symes and responded to by Mr. J. C. Wiggin; and "The Visitors," proposed by Mr. J. A. Symonds, who coupled with it the name of Mr. G. S. Staunton, the assistant chief constable for East Suffolk. An enjoyable musical programme was contributed.

West Kent Annual Dinner

The annual dinner of the West Kent Pharmacists' Association was held on November 2, at the Royal Bell Hotel, Bromley, under the presidency of Councillor Allan Bone (Chislehurst). The company, which numbered nearly 100, included Mr. F. Gladstone Hines (president of the Pharmaceutical Society), Mr. J. E. French (secretary of the Kent Pharmaceutical Committee) and Mrs. French, Mr. A. F. Hobbins (president of the Bromley and District Chamber of Commerce) and Mrs. Hobbins, Mr. J. Milner (president of the S.-E. Chemists' Association), Mr. Lockyer, Mr. and Mrs. Tucker, Mr. E. G. Price and Mrs. Price, Mr. C. G. Pinchen and Mrs. Pinchen, Mr. Wallace Pring and Mrs. Pring, Mr. and Mrs. W. J. Dalby, Mr. and Mrs. C. R. Stanyon, Mr. Charles Philip, Mr. Mack, Mr. and Mrs. Jutton, Mr. Watts, Mr. and Mrs. Coupland, Mr. Shill-cock, Mr. Peel, Mr. W. S. Smith, Mr. and Mrs. C. B. Snow, Mr. Duncan and the Misses Doris and Gwen Davenport, Messrs. Dudley and M. W. Pring, Mr. John G. B. Noble and Mr. Frank Browne. Mr. Price, proposing the toast "The Pharmaceutical Society," said Mr. Hines was carrying on worthily the traditions of a

long line of past presidents. The president, replying, mentioned that this was his first visit to the West Kent Association. The future policy of the Society depended largely upon the political situation. The educational side was being looked after particularly. The whole object of the Society was to improve the practice of pharmacy and to widen the field of its members' opportunities. At Bloomsbury Square a lot of unknown service was being done for the community. Proposing "The Chairman," Mr. French said the Association was quite safe in the hands of Mr. Bone, who was well known and liked by all. Mr. C. R. Stanyon was admirable as toastmaster, and an exceptionally humorous concert party contributed greatly to the success of the function.

Liverpool Medical Exhibition

HE Liverpool Medical Exhibition was opened at the Philharmonic Hall, Liverpool, on November 8. Most of the stands were occupied by firms well known to the drug trade. The exhibitors included the following:—Armour & Co., Ltd., showed Ferroglanoid (a combination of Glanoid concentrated fluid extract of liver with iron), and other products. A good range of specialities occupied the stand of Boots Pure Drug Co., Ltd. The display included Bismostab, Chlorostab, Livron (liver extract and iron), Stabilarsan, Sulphostab, Thiostab and Vitamalt. CLAY & ABRAHAM, Ltd., showed a number of recent introductions, including Candoline (an ointment base), Candine (a solution of ing Candonne (an ointment base), Candine (a solution of iodide of caffeine in extract of coffee) and whooping-cough syrup. Thos. Christy & Co., displayed Anasarcin, Asparol, Glyco-Thymoline, Thialion and other products. The Crookes Laboratories showed Collosol brand halibut-liver oil, Collosol Chlor-Carvacrol (Karvol) and Collosol F.C.V.D. (ferro-cuprum with vitamin D in malt extract). Cuxson, Gerrard & Co., Ltd., showed surgical plasters, ligatures, medicinal specialities and medical sundries. Evans Sons Lescher & Webb, Ltd., demonstrated their various specialities, including Arecan solutions for local anæsthesia, Cascaromat, Collozin (colloidal zinc hydroxide), Ephregel nasal jelly, Hepatex, Hepovite and Varixol (quinine and urethane solution). A selection of Medisoaps (Charles Midgley, Ltd.) was also shown. Fassett & Johnson, LTD. (a wide range of specialities, including Seabury & Johnson products, Angier's emulsion, Eatan and Phyllosan). Genatosan, Ltd. (pharmaceutical and biological products, including Sanatogen, Cystopurin, Genasprin, Formamint, vaccines and Genozo brand tooth-pastc). Glaxo Laboratories (Adexolin capsules and liquid, reinforced glucose, Ostelin vitamin D pre-parations, antivirus preparations, foods, Erbolin—a standardised ergot preparation-Maltine products and ampoules). THE HOFFMANN-LA ROCHE CHEMICAL WORKS. LTD. (Isacen aperient granules, Ovobrol (ovarian-bromide tablets), and other Roche products). Parke Davis & Co. (Alka-Dextro, Eschatin)—suprarenal cortex extract—Haliverol (halibut-liver oil with viosterol), Mycozol and Ventriculin). T. J. Smith & and Ventriculin). T. J. Smith & Ltd. (Elastoplast elastic adhesive ban-Edward Taylor, Ltd. (medicated plas-NEPHEW, ters, including Emergoplast and Flexoplast). Wyleys, Ltd. (Epithedol ointment and bandages, Naplithin—an analgesic, antipyretic and urinary antiseptic—and elixir bromo-valerian co.). Anglo-American PHARMACEUTICAL Co., LTD. (Huxley preparations and Casali-Alpha). ARNOLD & Sons, in association with Savory & Moore, Ltd., and John Bell & Croyden, Ltd. (hospital furniture and surgical instruments). LIERE, TINDALL & COX (medical books). CONTINENTAL LABORATORIES, LTD. (Taxol tablets, Detensyl tablets and Lactobyl tablets). Corn Products Co., Ltd. (dextrose and Karo syrup). Cow & Gate, Ltd. (foods). Bros., Ltd. (surgical instruments). Energen Foods Co., Ltd. (Energen food products). Kaylene. Ltd.

(Kaylene products). Kolynos, Inc. (combined display of Kolynos dental preparations). BiSoDol, Ltd. (BiSoDol). Anadin, Ltd. (Anadin). H. K. Lewis & Co., Ltd. (medical books). Oxo, Ltd. (Oxoid and Liveroid preparations). Sister Laura's Infant and Invalid Food Co., Ltd. (foods). Vitamins, Ltd. (Bemax).

Retirement of Mr. William Johnston

HE retirement of Mr. William Johnston, Ph.C., from active life, announced in our issue of November 5 (p. 549), affords an opportunity for a brief biographical sketch of one who is probably better known to the older than to the younger generation of pharmacists. He was born at Drumlithie. Kincardineshire. His father managed the cstate of Glenbervie, and later became a farmer at Nether Port, near Brechin. William Johnston, his two brothers and two sisters were educated at Logie Pert and Marykirk Public Schools in the same district. He served a four years' apprenticeship to Provost Reid of Montrose. Here was laid the broad foundation of that encyclopædic knowledge of chemists and their "ways and works" which he acquired in after years.

In 1878 Mr. Johnston went to Sheffield. For nearly four years he was assistant with Mr. Jorgie in the

In 1878 Mr. Johnston went to Sheffield. For nearly four years he was assistant with Mr. Jervis in that city. There he met the lady who later became his wife, and whom he lost by death last year, after a very happy married life. While he was in Sheffield the cutting of proprietary medicines commenced. It was started by one trader, and most of the chemists were obliged to follow, "with curses not loud but deep." In 1882 he went to London, where he was assistant to Mr. I. G.

assistant to Mr. J. G. Atkinson, of Kilburn, Mr. F. D. Heath, of Highbury, and Mr. John Holding, of Barnsbury.

After a course of study at Bloomsbury Square, he passed the Minor and Major examinations and, about 1886, he took over the management of a small suburban business in Loughborough Road, Brixton. This he afterwards purchased, and he retained it until the opening years of the present century, when he gave it up to occupy the less lucrative but more congenial post of assistant secretary of the Proprietary Articles Trade Asso-



MR. WILLIAM JOHNSTON, PH.C.

ciation. By this time he and William Samuel Glyn-Jones (whom he met in 1896) had become as brothers, so much so that he was often described as "Glyn-Jones's Alter Ego."

About this time the Chemists' Defence Association was founded by Mr. (after Sir William) Glyn-Jones. Mr. Johnston canvassed England, Scotland, Wales and Ireland for four years on behalf of the two Associations, and then he was "taken off the road" to be secretary of the C.D.A. and of an independent body formed in 1902, the Drug Trade Appeal Fund. He held the former post until about 1920 and the latter until 1,32.

Like many another hard worker, Mr. Johnston has never been fond of public speaking; but he has published numerous articles in the trade Press, and for many years he was acting editor of the "Anti-Cutting Record." He is an expert on medicine-stamp law and practice. Since his retirement he has gone to live with a married daughter in Birkenhead, where, we understand, he is happy with his carpenter's bench and lathe and other less strenuous occupations.

From Pharmacist to Pharmacien

The Story of the Interesting Career of Mr. A. W. B. Scott and the Evolution of his Unique Business

CHOSE to be a chemist more or less by accident and was apprenticed in Newark, where I learnt the trade right from the beginning—from putting down the shutters, cleaning the windows, sweeping the shop, washing the mortars and measures, to delivering parcels. This work, with making paint and drawing gallons of paraffin, filled up my time for the first year. After this I was raised to be the second apprentice, and began to learn something about pharmacy, for I had to make the tinctures, mercury ointment from the start, and a lot of other things that the young people of to-day do not know anything about. After four years I went to Christchurch, near Bournemouth, and for some two years was the master of the shop practically, for the real one was very seldom in. A dentist used to come once a week to attend to the customers' teeth, but he was erratic, and sometimes did not arrive; on such occasions, if the patient accepted, I used to draw the bad teeth. I was sorry for the patient, but those days are over now, and quite rightly, too. From Christ-church I went home to study for the Minor, and attempted to pass without going to any school. I passed all the subjects, but my aggregate was just below the necessary figure. Before my next shot I went to the late Mr. G. S. V. Wills for a month, and was suc-

"L'homme Propose . . . "

I had already decided to learn French and German and then open a shop in the Strand. I did not query



MR. A. W. B. SCOTT

the possibility of this idea, though I had no money and no parent from whom I could borrow any. However, where there is a will, as a rule there is a way. In order to have London experience my next situation was in a business near the Strand. A large part of the trade was with the theatrical world, and I learnt all there was to learn in the matter of make-up. After a year I went to Cannes for a season, where I began to learn French. I was there during a terrible influ-

MR. A. W. B. Scorr

during a terrible influenza epidemic, and for two months I used to get away for my evening nine and eleven at night. As we used to start at eight in the morning this made a long day, and I used to have one Sunday free every fortnight. The life was fairly hard, but there were compensations. First of all I had very little time to spend any money; at the end of the season my employer gave me an extra sum for the hard work I had done; he also paid my fare back to London (third class). As I had won a few hundred francs at Monte Carlo, I left Cannes with £160 in my pocket, which was quite a lot for me in those days. After a summer in London as dispenser in a small throat hospital, during which time I spent the greater part of the £160, I obtained a situation in the Pharmacie Swann, Paris. I stayed there for four years, and it was during that period that the

idea of my present business developed.

It came about in a very simple way—every day the wholesalers sent round to see if they could buy some foreign medicines, when they were

lucky they got half of what they wanted, usually they got about a quarter, and sometimes none at all. It seemed therefore that if anyone was prepared to supply what was wanted, there was an easy trade to catch, so I-set out to catch it. I started in a big cupboard, and then added a kitchen, after a few months I took an old stable and have been adding on space from time to time ever since. It is not a large business even yet, but no doubt my two sons will keep on increasing it, when I have done (which is not yet), and possibly my grandsons after them.

Early Difficulties

Business was not easy at the beginning, because practically everything of a medicinal character was pro-hibited, so, the trouble was to get the goods, but they sold without difficulty when they were in the country, and it was a fight with the Customs all the time. Ways and means had to be found to get the goods in; it was far from a sail in smooth waters, sometimes I won, sometimes the authorities, nevertheless as a rule I managed to supply what my customers wanted. After being in business for ten years I had a nasty shock—the School of Pharmacy came and seized a bottle of quinine tablets, prosecuting me for selling secret remedies and illegally practising pharmacy (this in spite of the fact that I only sold wholesale), for from a legal point of view quinine tablets were a secret remedy. This law has been altered recently.

I was fined 500 francs, and a day or two after the School came to start another prosecution, so I asked them what must be done in order to stop it. me the choice of closing, or selling to a qualified French chemist, or qualifying myself. I offered to qualify if they would give me time, and after a short consultation it was agreed to allow me to carry on my business so long as they saw me at the School and knew I was studying. I took care that they did see me, and after eighteen months' hard work I managed to get through. As a matter of fact this qualification has been the real backbone of my trade, for since then I can legally pay to any foreign firm a royalty for making their medicines in France, thus avoiding heavy duties and enabling them to compete on equal terms with French houses. About 75 per cent, of my trade is of this nature. Some five years ago the law regarding the importation of foreign medicines was changed, and any medicine can now be legally imported provided the formula is on the product in the manner indicated by the French authorities. The only exceptions are organic preparations for hypodermic injection, and even for these, under exceptional circumstances, a licence can be obtained.

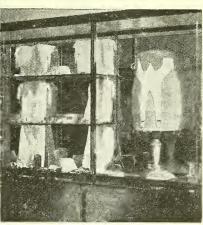
My two sons are qualified French chemists, the elder one is also a qualified chemical engineer and the younger a qualified physician; they are now associated with me under the trade name of Scott & Sons, and have taken charge of the routine of the business under my supervision. The position of a qualified chemist in France is far superior to that of a qualified chemist in England, for two very solid reasons; the first is that no one in France except the chemist can sell any drug or medicine. For instance, any trader can sell pure cotton-wool, but only a chemist can sell borated cottonwool; the second reason is that doctors cannot supply medicine to patients unless the nearest chemist is more than four miles away. These two rules make it certain that the chemist obtains all the trade in drugs and medicines of any and every kind. It seems to the It seems to the writer that the chemists in England should start a campaign and keep at it until they obtain a law giving them the same privileges in England.—A. W. B. S.

(10/10).





INTERIOR OF PHARMACY



Centre: THE FOOD DEPARTMENT. Left and Right: ORTHOPÆDIC ROOMS



Trade Notes

DAYMARK RAZORS.—W. J. Myatt & Co., Ltd., Argent Works, Birmingham, who are offering a range of Daymark safety razors which should prove most popular as Christmas gifts for men, call special attention to a medium-priced model. This outfit comprises a gilt razor and five blades in a moulded case. The latter is of such



a design that the blades are held in a "well," the lid being shaped to support the razor, which is prevented from rattling by a spring at the end of the handle. Other recent announcements in connection with Messrs. Myatt are the opening of a new factory, a reduction in the price of Auto blades and an increase in the discount on certain models.

EDWARD TAYLOR, LTD., Salford, have issued a new edition of their price list of medical and surgical plasters.

Tokalon, Ltd., perfumery manufacturers, Chase Road, London, N.W.10, are advertising a bonus offer elsewhere in this issue.

CHRISTMAS DECORATIONS.—J. C. King, Ltd., 42 Goswell Road, London, E.C.1, have prepared a list showing their range of postcrs, valances, window borders and other Christmas decorations. The illustrations are printed in colours, and chemists requiring such display material will find the list most useful in making a selection.

A. Bourjois et Cie, Ltd., 4 Water Lane, Blackfriars, London, E.C.4, have brought out a show stand



which accommodates three boxes of Evening in Paris face powder. This display device should prove an effective silent salesman.

Para-Gastrine is a new product introduced by Burgoyne, Burbidges & Co., Ltd., manufacturing chemists, East Ham, London, E.C., for the treatment of dyspepsia and allied ailments.

RADIO-MALT DISPLAY MATERIAL.—The British Drug Houses, Ltd., Graham Street, London, N.1, have available for distribution the striking cut-out showcard shown in the accompanying illustration. The overall dimensions are 16 in, by 19 in, by $7\frac{3}{4}$ in. Among the noteworthy points about this card are the modern design, brightness of the colour, and the extremely neat way in which rigidity is obtained when the stand



is made up. The dimensions are small enough to fit in almost any position in a chemist's window or on the counter. With the jar in position on the stand, as it is intended to be, it is impossible to overlook the display, and the "talkie" cards (issued separately) explain the virtues of this well-known product. The sale of Radio-Malt is confined to chemists, the price is protected, and bonus terms to suit the smaller buyer are available.

Mr. R. Thomson, chemist, Abbey Street, Elgin, is advertising his Cod-liver Oil Cream by means of a booklet giving a list of the European wireless broad-casting stations, with appropriate spaces for inserting dial readings.

Hough, Hoseason & Co., Ltd., 2 Bridge Street, Manchester, have drawn our attention to their Nalgo and Beutone tonic reducing bath salts. The former is



a new antiscptic stated to be of special merit, while the latter provides a Turkish bath at home. Each product is available in two sizes and is shown in the above photograph.

ARNAUD'S PERFUMERY.—Potter & Clarke, Ltd., 64 Artillery Lane, London, E.I, have brought out a highly attractive series of hair preparations—honey and flowers, toilet paraffin, brilliantine and bay rum-as will be seen from the illustrations appearing in the company's advertisement in this issue.

SANGERS, LTD., druggists' sundriesmen, 258 Euston Road, London, N.W.I, are sending out a special list of Christmas gifts and perfumery in conjunction with the November alterations to their annual catalogue.

LIQUORICE.—A. & M. ZIMMERMANN (Petrie Brothers, Ltd., proprietors), 3 Lloyds Avenue, London, E.C.3, have been appointed agents in Great Britain for the liquorice block juice and powder and Tosca brand sticks manufactured by Salmona & Figlio, Catania.

Odol toiler tumblers. — Cranbux, Ltd., Westwick Street, Norwich, are shortly to present a tumbler free of charge to certain purchasers of Odol tooth paste. As will be seen from the advertisement in this issue, chemists are urged to obtain supplies in order to meet the response to national advertising of the gift.

Laxative Rusks.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a new speciality in the form of Allenburys Laxative Rusks. These are prepared in exactly the same manner as are the malted ones, with the addition of one teaspoonful of liquid paraffin to each rusk. Wherever liquid paraffin is ordered, Allenburys Laxative Rusks may be given, particularly where the ordinary liquid product cannot be tolerated. The fine subdivision of the paraffin ensures its even distribution throughout the entire contents of the intestines. Two sizes are being issued.

Bob Martin, Ltd., Southport, are issuing a display screen for chemists to place in their windows and so

link up with the company's announcements in the lay Press, as a reproduction similar to that below is to



appear in all advertisements. This screen is 24 in. wide, 24 in. high, and 8 in. from front to back. The cut-out figure of the spaniel is posed before an attractively-coloured winter scene, and the printed message is read at a glance.

Births

Notices for insertion in this column must be properly authenticated.

Boyce.—On October 30, the wife of S. T. Boyce, M.P.S., Garden Village, Hull, of a daughter.

Marriages

Best—Temkin.—At the Hope Street Synagogue, Liverpool, on November 6, Israel Best, chemist and druggist, 23 Utting Avenue, Anfield, to Freda, daughter of Mr. B. Temkin, 74 Grove Street.

LIVERSEEGE—WARD. — At the Church of the Redeemer, Hagley Road, Birmingham, recently, by the Rev. Ivor Wensley, John Francis Liverseege, F.I.C., Ph.C. (late Birmingham city analyst), to Lilian Ward.

Proffitt—Street.—At St. Columba's Church of Scotland, London, on October 22, Colwyn Charles Proffitt, chemist and druggist, to Helen Richardson Street, chemist and druggist.

ROGERS—LAVITT.—At Holy Trinity Church, Fareham, Hants, on October 11, Harry Edgar Rogers, chemist and druggist, to Norah J. Lavitt.

Deaths

Garton.—On November 2, Mr. Robert Taylor Garton, chemist and druggist, 78 Plough Road, Battersea, London, S.W.II, aged seventy.

Muscat,—At Sunderland, on October 4, Mr. Hyman Muscat, chemist and druggist, aged thirty-five.

SHICKLE.—At Lily Bank, Hereford Street, Sale, recently, Mr. Alfred John Blyth Shickle, a director of Dunn Brothers (Successors), Ltd., chemical merchants, Manchester, aged seventy-two. Mr. Shickle started with the firm in 1895 and remained with them all his business life,

Wilson.—At West Bromwich, on October 21, Mr. David Scott Wilson, chemist and druggist, aged thirty-three.

Personalities

Mr. J. R. Massey, chemist and druggist, Bolton, has been returned unopposed as a member of the Town Council.

Councillor R. E. Jackson, Ph.C., Tynemouth, has been re-elected for the Preston Ward with a majority of over 1,045.

Mr. Ben Fish (Ben Fish, Ltd., chemists), Great Yarmouth, was a successful candidate in the recent municipal elections.

Major Victor O. Robinson (Robinson & Sons, Ltd., surgical dressings manufacturers), Chesterfield, is to pay a visit to Australia.

Mr. W. E. Woolley (Cupal, Ltd., manufacturing chemists, Blackburn) was one of the successful candidates in the local municipal elections.

Mr. W. H. Fowler, Ph.C., who retired in 1928 after being for over thirty years in business in Redhill under the title of W. H. Fowler & Co., has been appointed vice-chairman of the Surrey Insurance Committee.

Mr. Alfred R. Wheatley, F.S.M.C., chemist and druggist (Wheatleys, Ltd., chemists, Northgate, Gloucester), was appointed J.W. at the installation festival of the Royal Lebanon Lodge, No. 493, on November 1.

Mr. John T. Fleet, chemist and druggist, Rugby, has been elected an alderman of the borough. Mr. Fleet is a member of the Warwickshire Pharmaceutical Committee, and has been in business in Rugby for nearly forty years. For a long period he has been a member of the Rugby Urban District Council, serving on most of the committees, and for the past seven years has been chairman of the public health committee. He is also a well-known Warwickshire freemason. Mr. Fleet is a director of Wyleys, Ltd., wholesale chemists. Coventry, and of the Rugby Gas Co.



EXTRACT OF MALT & COD LIVER OIL with CHERRY PARRISH'S FOOD

Send for Sample & Prices Oxford Works, Tower Bridge Road, London, S.E.1

FOR ASTHMA AND BRONCHITIS

Now available for patients under N.H.I. Act at reduced prices. SPECIAL PACK MW 3524

STOCKED BY ALL WHOLESALERS

The Ephazone Company,

179 Piccadilly, London, W.1 Tel.: Regent 5321

FENNINGS' 50 YEARS' REPUTATION **Powders**

ADVERTISED EVERYWHERE. READY SALES. ALFRED FENNINGS, Cowes, I.W.

It pays to push "Nostroline." Where else are BIG SALES and GOOD PROFIT on an ETHICAL PRODUCT backed by such continuous FRONT RANK NATIONAL ADVERTISING?

Order 3 doz. "Nostroline" display parcel 11/3 per doz. carriage paid.

MATTHEWS LABORATORIES LTD., CLIFTON, BRISTOL. 8

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance Irce, Famphiets gratis.

REGINALD W. BARKER & CO.

56 Ludgate Hill, London, E.C.4.

BRAND **TABLETS** THE RECOGNISED LEADING

HORMONE-GLAND Preparation For the Treatment of all NEURASTHENIC DISORDERS

SILVER FOR MEN - GOLD FOR WOMEN

PRICES: Box containing 35 Tablets - 5/7, 75 7, - 10/7, 250 7, - 30/-

SOLD ALL OVER THE WORLD SHOWCARDS & WINDOW DISPLAYS AVAILABLE

LEWIS & MELCHIOR. LTD. 21 Evelyn Ho., 62 Oxford St., W.1 Tel: Museum 9244

SPIRITS

DUTY FREE

ABSOLUTE ALCOHOL ORANGE WINE. **B.P. SHERRY**

JAS. BURROUGH LTD. LAMBETH, S.E.11 Established 1870

TOMLINSON'S LIVER

POULTRY AND ANIMAL FEEDING.

Full vitamin certificate. Guaranteed pure and fresh.

Write now for samples and prices for present or forward delivery—packed in all sizes—from I pint to 40 gallons.

TOMLINSON & HAYWARD, LTD. 51 NEWLAND, LINCOLN.

Phoo"(Owned by Summer's "Ty.phoo"Tea Ltd. Birmingham)

is the pure "leaf-edge" tea which doctors throughout the country are now recommending to patients with whom ordinary tea disagrees.

Applications invited for sample and terms for what is claimed to be

"The best paying line in the trade"

(This Company is not connected with any other House)

(231% on selling price)

The Chemist and Druggist" COMPACT

WOOTTON'S CHRONICLES OF PHARMACY.
In two vols., maroon cloth, comprising 770 pages.
Price ros. 6d. net, by post ris. 3d.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS AND TREATMENT.

A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on treatment of the more important ailments. Price 3s. 6d., by post 3s. 8d.

Published by "The Chemist and Druggist" 28 Essex Street, LONDON W.C.2

Branch Offices: Manchester and Sheffield, England; Glasgow, Scotland; Melbourne and Sydney, Australia; Auckland, New Zealand

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

S/911. Emolac T/711. Head's pills for rheu-matism (not Eade's) E/911. Jenicosan L/711. Non - spiM medicine spoon

B/911. Omega corn plane O/3110. Shari Longlois compacts

B/911. Tibbett's sanitary chemical fluid

THE

CHEMIST AND DRUGGIST

VOL. CXVII. NOVEMBER 12, 1932 NO. 2753

Fowler's Solution

THE coming into force of the new British Pharmacopæia last month involves, among other things, the conversion of Fowler's solution into a colourless and neutral liquid. Thomas Fowler, the originator, was born at Yerk, graduated M.D. at Edinburgh University, and became physician to the Staffordshire General Infirmary. He died "at his lodgings in London," according to "The Gentleman's Magazine," on July 22, 1801, aged "about seventy"; but, according to "The Annual Register," the date of his death was July 20, 1801. His published works are, as far as we are aware, three in number. The first is the thesis presented for his degree, "De Methodo medendi Variolam: præcipue Auxilio Mercurii '' (Edinburgh, 1778); the second is "Medical Reports, of the Effects of Tobacco, Principally with Regard to its Diuretic Quality, in the Cure of Dropsies, and Dysuries . . .' (London, 1785); the third is "Medical Reports on the Effects of Arsenic, in the Cure of Agues, Remitting Fevers, and Periodic Headachs '' (London, 1786, 3s.). Before we pass to the original formula for Fowler's solution, as printed in his pamphlet, it may be of interest to note that in his 1785 monograph there is a footnote to the effect that two-ounce glass measures graduated in drachms were then a novelty. The author, in urging their adoption, remarks that "Nothing was ever worse calculated, for the Measurement of the eighth Part of an Ounce, than the common Pewter Ounce-Measure of the Shops."

The Original Formula

Fowler's solution is one of several medicines that had their origin in a proprietary. In the preface to his pamplilet he remarks:—

"When the Patent Ague Drops began to acquire some Reputation in the Country, they were occasionally adopted in the Hospital Practice of this Place, in 1781, 1782, and 1783, and were found efficacious. In the Beginning of October, 1783, Mr. Hughes, the Apothecary to the Infirmary (whose Industry, Attention and Abilities in his professional Line, justly merit Applause), informed the Author, that he had tried to insitate the Ague Drops, and . . . was convinced they were a Preparation of Arsenic."

The Ague Drops referred to were patented by Thomas Wilson, a London chemist, in 1781. The method of preparation given in the specification consisted in boiling in water (1) the calcined ash from "common centaury" and sublimed cobalt and (2) red sanderswood, and mixing the solutions. In view of the close association of arsenic with cobalt in the native ore, it is possible that arsenic was the main ingredient in Wilson's drops (which, by the way, were mentioned in the Schedule to the 1812 Medicine Stamp Act). Fowler goes on to relate that in consequence of Hughes's report, he experimented with white arsenic dissolved

in "a Solution of the fixed vegetable Alkali," and soon arrived at a suitable strength. The first seventy-eight pages of this paniphlet (which extends to 128 pages, octavo) are devoted to reports of cases; then follows Section VI, containing the six formulas that he devised for his treatment. The first is that of the famous solution:—

RECIPE Arsenici albi in Pulverem subtilissimum triti, Salis alkalini fixi vegetabilis purificati, singulorum Grana Sexaguinta quatuor,

Aquæ fontanæ distillatæ Libram dimidiam.

Immittantur in Ampullam florentinam. . . . Deinde Solutioni frigidæ adde

Spiritus Lavandulæ compositi Unciam dimidiam

Aquæ Fontanæ distillatæ Libram dimidiam, plus vel minus, ades ut Solutionis Mensura Libra una accurata sit, vel potius Pondere Unciæ quindecim cum dimidia.

The other five formulas are for an antimonial emetic powder, a cathartic mixture, an aperient electuary, chalybeate pills and a Peruvian bark mixture. Fowler's remarks on the first formula are those of a precise and careful prescriber. He explains that the compound "spirits" of lavender is added "merely for the Sake of giving it a medicinal Appearance," so as to suggest care in the cases of patients who had been told to measure their own doses. He works out for the benefit of his readers the proportion of arsenic in an ounce (4 gr.) and in a drachm ($\frac{1}{2}$ gr.), and calculates the number of "drops" per drachm obtainable from a two-ounce vial ("with a broad Margin ''). He adds the suggestion that anyone wishing to make the solution, but uncertain of the quality of the fixed vegetable alkali obtained, may substitute for the ingredient a double quantity of purified nitre. When ordered three times daily, the hours for taking the solution are 6 a.m., 2 p.m. and 10 p.m. His medium dose for an adult was twelve drops, representing by his own estimate of "drops" 0.075 gr. of arsenic.

Fowler's Solution in the Pharmacopæias

The last twelve pages of Fowler's pamphlet contain commendatory letters from Dr. Thomas Arnold, a Leicester physician, and from the more famous Dr. William Withering, F.R.S., of Birmingham. The medicine previously used by both these correspondents was an uncoloured solution of white arsenic in water, I gr. in I fl. oz. The Pharmacopœia Londinensis, 1788, contained no recognition of Fowler's work-nor, indeed, of arsenic; but its successor of 1809 had a liquor arsenicalis of the same strength as Fowler's, and the only change of any therapeutic importance made prior to the production of the 1932 Pharmacopæia has been the slight increase in strength ordered in 1885. In the Edinburgh Pharmacopæia of 1804 a solutio arsenitis potassæ was introduced containing gr. ij. of arsenic and 5ij. of compound "spirit" of lavender in 5xvj., with the official dose 5ss.-5j. The Dublin Pharmacopœia of 1809 had "arsenias kali" without dose and without preparations. It is not surprising that, before many years had passed, steps were taken to compile a single pharmacopæia for the United Kingdom. Fowler received pharmacopæial recognition, in the form of a synonym of the title "arsenical solution," in the 1867 British Pharmacopæia, sixtysix years after his death.

The British Pharmacopoeia, 1932

Pharmaceutical Society's London Evening Meeting

HE first evening mecting of the Pharmaceutical Society's present London winter session was held at 17 Bloomsbury Square, W.C.1, on November 8, the president (Mr. F. Gladstone Hines) in the chair. With the president at the table were the vice-president (Mr. John Keall), the treasurer (Mr. A. H. Jenkin), Dr. C. H. Hampshire, and the secretary (Mr. H. N. Linstcad). The audience, which filled the lecture theatre, included Dr. A. P. Beddard (chairman of the Pharmacopeia Commission), Mr. R. R. Bennett, Mr. F. Browne, Dr. J. H. Burn, Mr. Norman Evers, Mr. W. B. Falding, Mr. R. Fouracre, Professor H. G. Greenish, Mr. A. R. Melhuish, Mr. P. A. W. Self, Mr. Herbert Skinner and Mr. W. Wyatt.

The President, in opening the proceedings, welcomed those present. So good an audience, he remarked, was evidence of interest in the subject of the evening's address. He introduced Dr. C. H. Hampshire, chairman of the British Pharmaceutical Conference, who, he suggested, would be able to tell them what he thought of the work of the secretary of the Pharmacopeeia Commission. (Laughter.) He asked Dr. Hampshire to address them on

The British Pharmacopæia, 1932

[ABSTRACT]

The British Pharmacopæia occupies a prominent position in relation to pharmacy. The training and examination of the pharmacist are based upon it, and his daily practice is influenced by it, in a variety of ways. The appearance of a new Pharmacopæia is thus an event of considerable importance; and the interest on this occasion is enhanced because the British Pharmacopæia, 1932, is the first to be prepared by a body, the Pharmacopæia Commission, on which pharmacy is directly represented and to which the Pharmaceutical Society has given much help. In what follows I wish it to be understood that I address you in my personal capacity, and that any views I express are my own and do not in any way commit the Pharmacopæia Commission, which I serve as secretary.

macopæia Commission, which I serve as secretary.

The British Pharmacopæia, 1932, is the sixth of the series, inaugurated by the publication of the British Pharmacopæia of 1864. It is interesting to note the change in the character of the volume which has taken place in the intervening period. The earlier British Pharmacopæias and the pharmacopæias which preceded them consisted largely of formulas for compounded preparations, pills, powders, plasters and the like. With the development of science the methods of testing drugs have become more elaborate, and the centre of interest has moved away from the prescription of compounded preparations in the direction of accurate descriptions of standards for drugs. The legal position which the British Pharmacopæia has come to occupy makes it necessary that all the resources of science should be utilised, in the public interest, in defining and maintaining the standards for drugs.

GENERAL CONSIDERATIONS

The Legal Position.—The acceptance of the British Pharmacopæia as a "presumptive standard" in Great Britain is too well known to need more than passing mention. In Northern Ireland and in the Dominions the Pharmacopæia is specifically made the standard by legislation. In the past, difficulties have arisen from the use of the pharmacopæial standards in relation to substances which were not intended for use as drugs. Such names as "prepared lard" and "purified borax" were employed in the British Pharmacopæia, 1914, in order to restrict the standards to these substances when required for medicinal use. This point is covered in the British Pharmacopæia, 1932, by a

notice which states that "the standards of purity and strength of the Pharmacopæia apply to articles which are intended for medicinal use, but not necessarily to articles which may be sold under the same name for other purposes."

Imperial Considerations.—In view of the legal standing of the Pharmacopeia in the Dominions, it is essential that the interests of the Dominions should be considered in its compilation. In preparing the British Pharmacopeia, 1932, the principle has been to include only those standard articles which are in general use throughout the Empire, leaving drugs or substitutes having local use in any part of the Empire to be defined in supplements or addenda by the authorities in the various parts of the Empire concerned.

International Agreement.—In 1925 the second international agreement.

International Agreement.—In 1925 the second international conference on the unification of the formulas of powerful medicaments was held at Brussels, and a scheme for an International Agreement was drawn up. The Agreement was completed in 1930, the adhesion of the British Government being accomplished by a statement reserving the right of introducing modifications in detail. A comparison of the provisions of Article 8 of the International Agreement with the British Pharmacopæia will be found on pages XL to L. It is interesting to note that of the seventy-seven items recorded in this table, thirty-four are not included in the British Pharmacopæia. Of the remainder, in eleven instances the standards or descriptions of the Pharmacopæia differ from those of the International Agreement, and in thirty-two instances the requirements are the same, but, for twelve of these, the British Pharmacopæia has imposed additional standards which are not provided for in the Agreement. In some instances, the titles used in the British Pharmacopæia differ from those of the International Agreement. In such cases the name used in the International Agreement has been placed in the text of the Pharmacopæia as a synonym for the main title.

Two other articles of the Agreement have been the basis of changes in the Pharmacopeia which have given rise to much comment. Article 7 requires that no potent drug shall be prepared in the form of a medicinal wine, and, accordingly, all wines have been deleted from the Pharmacopeia. The substitution of a tincture of ipecacuanha for ipecacuanha wine has evoked the criticism that difficulties in relation to the Food and Drugs Act may arise when this substitution is made in practice. It is understood that these anticipated difficulties can be removed by introducing the names "vinum ipecacuanha" and "ipecacuanha wine" as synonyms for tincture of ipecacuanha, and steps have been taken with a view to making this addition. Article 23 requires that the name of tincture shall not be given to simple solutions of chemical substances. Ammoniated tincture of quinine has, therefore, been renamed "ammoniated solution of quinine." Strong tincture of iodine and weak tincture of iodine have now been renamed "strong solution of iodine" and "weak solution of iodine" respectively. Continuity with the British Pharmacopeia, 1914, in these instances has been maintained by the inclusion of the former names as synonyms, and the opportunity has been taken to introduce the names "tinctura iodi" and "tincture of iodine" as synonyms for the weak solution of iodine. The omission of these names from the British Pharmacopeia, 1914, occasionally gave rise to difficulties.

From time to time suggestions for an international pharmacopœia have been made, more especially by continental pharmacists. The extent to which it has been found possible to bring the British Pharmacopœia, 1932, into line with the International Agreement and the time which elapsed between the formulation of the Agreement and its final ratification are interesting when

considering the feasibility of producing an international pharmacopæia. We may regard, however, what has been done as a distinct step towards the unification of pharmaceutical practice throughout the world.

League of Nations.—The activities of the Health Organisation of the League of Nations have a considerable bearing upon the revision of the pharmacopeia. For the purposes of biological methods of standardisation the recommendations of the Permanent Commission on Biological Standardisation have been followed. In relation to individual drugs, the Malaria Commission has been responsible for the work, resulting in the introduction of totaquina, and the Advisory Committee on Traffic in Opium and other Dangerous Drugs is still at work on the problem of providing an international method of assaying opium which will be suit-

able for inclusion in all pharmacopæias.

Therapeutic Substances Act.—The Therapeutic Substances Act, 1925, was passed in order to provide a means of standardising and controlling therapeutic substances, the purity or potency of which cannot be adequately tested by chemical means. The Regulations made under this Act provide for the control of such important substances as vaccines, toxins, antigens, serums, antitoxins, insulin, pituitary (posterior lobe) extract, the organic arsenical compounds and sterilised surgical ligatures. It was evident that descriptions in the Pharmacopeia inust depend upon the requirements made under the Therapeutic Substances Act. It is necessary, however, that the Pharmacopeia should describe these substances in order to set up standards in parts of the Empire outside the United Kingdom. The principle adopted has been to follow closely the requirements of the Therapeutic Substances Regulations and to declare, by means of notices, that where the preparation or use of any substance is governed by local law the directions of the Pharmacopeia as far as possible are followed as well as those of the local law, provided that any direction of the Pharmacopeia which is contradictory or inconsistent with the local law is deemed thereby to be superseded.

Patent Rights and Trade Marks.—It may be taken

Patent Rights and Trade Marks.—It may be taken as a general principle that a Pharmacopeeia should include no substance of which the manufacture is restricted to one person or firm, and that no name should be used in which trade-mark rights exist. In the case of one substance described in the British Pharmacopeeia, 1932, namely ergotoxine ethanesulphonate, the owners of the patent resigned their rights in order to make the substance available for description in the Pharmacopeeia. In the British Pharmacopeia, 1932, there are three examples of the use of names which are trade marks in certain parts of the Empire, although there are no trade-mark rights in these names in Great Britain; these are aspirin, formalin and lysol.

in Great Britain; these are aspirin, formalin and lysol. Passing now to a consideration of the Pharmacopœia itself it is interesting to note that the number of articles described in the text has been reduced from 817 in the British Pharmacopœia, 1914, to 586 in the British

Pharmacopæia, 1932.

SELECTION OF CONTENTS

It will be agreed that the selection of the drugs to be described is properly the province of the medical man, who, however, will require the assistance of the pharmacist in suggesting the materials to be introduced for the purpose of making preparations from the drugs Two courses are possible, one to base the selection on a statistical consideration of the extent to which various drugs are prescribed, and thus to make the Pharmacopæia merely a reflection of current practice, the other to select those drugs which are of sufficient therapeutic value to make it probable that they will continue to be used. In the British Pharmacopæia, 1932, it is evident that the second course has been taken. The formulas of a few widely used combinations of drugs have been retained, and a few articles of the same class have been introduced in order to provide standard formulas in cases where a complicated process of manufacture is necessary, or to fix standards for the finished product. Any inconvenience which might have been caused by the deletion of so many compounded preparations will be removed in consequence of an arrangement made by the Pharmacopæia Commission with the Revision Committee of the British Pharmaccutical Codex, whereby the Codex will describe, at least for the period of currency of one Pharmacopæia, the preparations which have been deleted from the British Pharmacopæia, 1914, in such a way that the British Pharmacopæia, 1914, formulas will be available for reference. This arrangement has been of material help in the revision of the Pharmacopæia, and is only one of many ways in which this Society has assisted.

With regard to the description of the materials in the Pharmacopæia, it is evident that every effort has been inade to bring the monographs up to date, to eliminate known difficulties in the manufacture of the various preparations, and to utilise modern methods. The effect of these changes has been to increase the number and the scope of the Appendices, which now fill 150 pages. It can be said that most of the resources of chemical, physical and physiological science have been utilised, as far as they were applicable, in defining the pharma-copecial standards. Many of the methods of testing copœial standards. which are described require elaborate and expensive apparatus and the services of skilled and specialised workers. It is essential in the interest of the public that no effort should be spared, no scientific procedure neglected, in the endeavour to secure purity and uniformity in the materials used in medicine. The effect of these conditions has been to remove a large proportion of the work described in the Pharmacopæia from the range of the practising pharmacist. This is inevitable. Specialisation has become necessary in pharmaceutical and pharmacopæial matters to as great an extent as in other departments of scientific endeavour. We have reached the stage when the large bulk of drugs and pharmaceutical preparations can only be prepared satisfactorily and economically on a large scale. The dispensing of prescriptions and the control of the distribution of medicinal products will still provide an ample. field for the practising pharmacist. The increase in the administration of drugs by injection and the need forsterile materials for this purpose indicate a direction in which there is increasing scope for the skill of the pharmacist.

BIOLOGICAL STANDARDISATION

Among the most striking introductions in the British Pharmacopæia, 1932, are the serums, toxins, animal products and other substances which can only be satisfactorily tested by biological methods. Such methods were already in common use. They had been intro-duced in the United States Pharmacopæia, and they were already controlled in this country by the authority under the Therapeutic Substances Act. The biological methods of standardisation are described in Appendices to the Pharmacopæia, and in dealing with them the principle recommended by the Permanent Commission on Biological Standardisation of the Health Committee of the League of Nations has been adopted, namely, that no biological method of assay is satisfactory which does not depend on a comparison between the sample to be tested and a standard preparation. The pharmacopæial reference are those recommended by the Permanent Commission. The requirements of the Pharmacopæia are in close agreement with those of the Therapeutic Substances Regulations. The specifications have been recast in the common form of the pharmacopeial monographs, and this rewriting has made advisable the addition of certain particulars.

Biological methods of standardisation have been in use, unofficially, for a considerable time in relation to digitalis and strophanthus, and these methods are now recognised in the Pharmacopæia. Biological methods are not applied to squill and its preparations for reasons which are mentioned in the Introduction

to the Pharmacopœia.

Digitalis.—For digitalis an international standard powder is available upon which the international unit of activity is based, the unit being defined as the amount of activity contained in o.1 gram of the international standard powder. The standard preparation

for the purposes of the pharmacopæia is a mixture of dried and powdered digitalis leaves kept in scaled vials in the National Institute for Medical Research, Hampstead, London. Similar preparations may be used in other parts of the British Empire where such have

been defined by law.

Digitalis Leaf.—This is described as the leaf of Digitalis purpurea. The other species of digitalis which have been discussed from time to time are not included. The leaf is described chiefly as the source of digitalis pulverata, and by means of a footnote it is indicated that digitalis pulverata is to be dispensed when the leaf is ordered by any one of its usual names. This procedure is similar to that adopted with all the drugs which are used as the material for preparing standar-dised powders. The unstandardised digitalis leaf may also be used for preparing tincture of digitalis if the tincture is subsequently standardised and adjusted.

Digitalis Pulverata.—For therapeutic purposes a standardised powder is described under this name. This may be in one of two forms—(a) a powder which has been assayed biologically and the strength expressed in units; (b) a powder which has been assayed and adjusted to a standard strength of 10 units per gram by the addition of the exhausted marc remaining when tincture of digitalis has been prepared; this form must be dispensed when the powder is prescribed for direct

administration.

Fresh Infusion of Digitalis.—This is prepared from either form of the standardised powder, a sufficient number of units being used to yield an infusion possessing 0.05 unit in 1 millilitre. It is intended to possess 1/20 of the strength of the tincture of digitalis. No concentrated infusion of digitalis is described, and it is stated specifically in the Introduction that the use of a concentrated infusion of digitalis is not sanctioned. It is well known that concentrated preparations of digitalis lose their activity on keeping and are variable in their action. The use of such unreliable preparations in the case of a drug like digitalis, upon whose prompt action the life of a patient may depend, is indefensible.

Tincture of Digitalis may be prepared by one of two methods. (r) In the first method, which is suited to large-scale manufacture, a fincture is prepared from unstandardised digitalis leaf by percolation, and is assayed biologically and adjusted to contain r unit of activity in r millilitre. (2) In the second method the tincture is prepared from either form of standardised powdered digitalis, using a quantity containing 1,000 units in order to produce by percolation 1,000 millilitres of tincture. When prepared in this way the tinc-

ture does not require subsequent standardisation.

Strophanthus.—The seeds of Strophanthus Kombé only are described. In view of the uncertainty as to the identity, chemically and pharmacologically, of strophanthins from various sources, other species of strophanthus, some of which are used on the Continent and are mentioned in the International Agreement, have

not been adopted.

Tincture of Strophanthus is assayed by a biological method, and adjusted to be equivalent in strength to a standard tincture of *Strophanthus Kombé*, which is kept in the National Institute for Medical Research. The standard tincture is defined as being equivalent in activity to a 0.42 per cent. w/v solution of the international standard ouabain, or to a 0.33 per cent. w/v solution of anhydrous ouabain.

Strophanthin.—This addition to the Pharmacopæia is assayed and adjusted, if necessary, by the addition of powdered lactose so as to possess an activity which

is 40 per cent. of that of anhydrous ouabain.

Vitamins.—In relation to biological standardisation the treatment of the subject of vitamins in the Pharmacopæia may be mentioned, and the attitude towards this important and rapidly advancing subject may be stated at once to have been conservative. A preparation of vitamin D is included under the name of liquor ergosterolis irradiati. This is described as a solution in oil of an antirachitic principle, probably identical with vitamin D, contained in cod-liver oil, and is required to contain in I gram 3,000 units of antirachitic activity. The Appendix describes a standard preparation and unit and gives suggested details of curative and prophylactic methods of assay. No standard for vitamin D is given for cod-liver oil, but a recommendation is made that when a statement is made of the number of units of vitamin D in cod-liver oil, the units enumerated should be the units described under the biological assay of antirachitic vitamin (vitamin D). The Pharmacopæia describes also in relation to cod-liver oil a standard form of the antimony trichloride test, but is non-committal as to the relation of this test to vitamin A content.

Other animal substances, although not physiologically standardised, may be conveniently mentioned here.

Thyroid.—Powdered thyroid is now standardised and adjusted to contain o.1 per cent. of iodine in combination as thyroxine, and is required also to contain not more inorganic iodiae than 10 per cent. of the content of total iodine. We are all familiar with the difficulties and confusion arising from the practice of labelling thyroid tablets in terms of fresh gland, on the basis that I gram of dry thyroid is equivalent to 5 grams of fresh thyroid gland. In dealing with prescriptions for thyroid the pharmacist is often left uncertain whether the prescriber intends dry thyroid or fresh gland. The practice enjoined by the British Pharmaceutical Codex has been to assume that the fresh gland or its equivalent is intended when thyroid, thyroid gland or thyroid extract, is ordered. The relation between fresh gland and the pharmacopæial powder cannot now be regarded as in any degree constant owing to the standardisation and adjustment which has been introduced. The names thyroideum, thyroid, thyroideum siccum, dry thyroid, thyroid extract, thyroid gland, are all now official titles. and when any of them is used the substance to be dispensed is the thyroideum of the Pharmacopæia. It is very important that this reversal of the former practice should be made known to medical practitioners and to pharmacists; and it will be well for pharmacists in dealing with all prescriptions for thyroid to make quite certain that they know the intention of the prescriber, otherwise over-dosage may occur.

Some Additions

Standardised Vegetable Drugs.—In dealing with vegetable drugs for which assay processes are available, including belladonna, digitalis, ergot, ipecacuanha, jalap, nux vomica and opium, the method used is to give the characters and tests of the crude drug in one monograph and to describe a standardised powder in a second monograph. No doses are laid down for the crude drug, and it is made clear by means of a foot-note that when the crude drug is prescribed the standardised powder is

to be dispensed.

Ergot.—Ergot and its preparations are standardised on the basis that ergotoxine is the active alkaloid. From some years past the standardisation of ergot and its preparations has been carried out biologically, but the work of a special subcommittee of the Pharmacopæia Commission has made it possible to utilise a chemical colorimetric test. This test is based upon the colour produced by the action of paradimethylaminobenzaldebyde on ergotoxine, which was first described by Van Urk, and developed by M. I. Smith. It was found that the physiologically inert alkaloid, ergotinine, also gives the colour reaction, but experiments showed that the variation in the proportions of ergotoxine and ergotinine in ergot is not greater than the experimental error, and it is possible, therefore, to standardise ergot and its preparations on total alkaloids calculated as ergotoxine. Crude ergot is described, and from this a standardised defatted powder, ergota præparata, is made. The use of this standardised powder when ergot is ordered is ensured in the same way as has been provided for the other standardised vegetable drugs.

Ergota Præparata, if kept in an air-tight container, is more stable than powdered ergot from which the fat has not been removed, and it also retains its activity better than the liquid extract. It should provide a convenient stable form of ergot in circumstances where frequent changes of stock are not possible.

Liquid Extract of Ergot.—The liquid extract is prepared from defatted ergot by means of an alcoholic mentsruum containing tartaric acid. The product is

standardised to contain 0.06 per cent. of total alkaloids calculated as ergotoxine. The storage directions state that liquid extract of ergot loses activity rapidly at ordinary temperatures and slowly at o°C. It is directed that the liquid extract should be kept in completely filled containers and stored in as cool a place as possible. The instability of the liquid extract is recognised in the statement that after storage it contains not less than 0.04 per cent. of total alkaloids. Pharmacists will appreciate the necessity of following as closely as possible the recommendations regarding storage.

Ergotoxine Ethanesulphonate.—This chemical has

been introduced as the most suitable form for securing the effects of ergot by subcutaneous or intramuscular injection, and no hypodermic injection of ergot is

described.

Industrial Methylated Spirit.—The revision of the Pharmacopæia has given the opportunity for regularising certain practices which have gone on, unofficially, for many years. The use of industrial methylated spirit in preparing certain liniments and as a solvent in making extracts is now recognised, and its use for most analytical operations is permitted. The introduction of industrial methylated spirit has made possible the acceptance of the principle of the use of concentrated solid extracts in making galenical preparations. A standardised extract of cinchona which may be made by means of industrial methylated spirit is described, and is used as the source of the liquid preparations of cinchona. This principle should be capable of extension to a number of other drugs, but much investigation will be needed.

Liquid Extracts.—The principle of using concentrated preparations for the extemporaneous production of galenicals has been extended considerably. In addition to the liquid extracts of nux vomica and ipecacuanha of the British Pharmacopæia, 1914, there are now the liquid extracts of colchicum, hyoscyamus, senega and senna, all prepared for the purpose of extemporaneous dilution to make tinctures or syrups, as the case may be.

Concentrated Infusions.—The introduction of concentrated preparations which, after dilution, may be used in place of fresh infusions is another instance of regularising a practice which has long been current. The effect of including standard formulas in the official book will be to exclude cheap inferior preparations. The infusions which are to be prepared extemporaneously from the crude drug are now described as fresh infusions. These fresh infusions are to be used within twelve hours of preparation, and when a prescription does not specify the fresh infusion it is left to the discretion of the pharmacist to dispense either fresh infusion or the concentrated infusion, suitably diluted. This arrangement allows the prescriber who prefers fresh infusions to order them, knowing that standard formulas will be used. It also allows a pharmacist who believes that fresh infusions are superior, and takes sufficient pride in his work, to supply a fresh infusion even when the doctor has not specifically pre-

Concentrated Waters.—Formulas for concentrated waters, corresponding to the three aromatic waters which have been retained, have been introduced. A general monograph describing alternative processes for the preparation of aromatic waters, and foot-notes under the monographs, make it clear that a prescriber who prefers the distilled waters may still order them knowing that standard formulas are laid down, and that a pharmacist who prefers to supply the distilled water may do so even when it is not specifically prescribed.

Compounded Preparations.—Brief reference may be made also to a number of compounded preparations for which a standard formula seemed desirable. The use of a British Pharmaceutical Codex name alone is not considered sufficient to justify the presumption that the British Pharmaceutical Codex article is intended, the suffix B.P.C. must be added. On these lines we have in the Pharmacopæia formulas for mixture of magnesium hydroxide, poultice of kaolin, compound syrup of ferrous phosphate, gelatin of zinc, com-pound paste of zinc oxide and surgical solution of chlorinated soda.

Chemicals.—These include a number of synthetic

drugs which are used as hypnotics, local anæsthetics, antiseptics and diuretics, and others which are used in

the treatment of tropical diseases.

Dextrosum.—Under this name the pure chemical substance for injection, or accurate quantitative purposes, is described. In another monograph, glucosum liquidum, which is to be used for other purposes, is described. The title "glucose" has no definite meaning in the Pharmacopeia, and it will be for the pharmacist to ascertain the intention of the doctor when that name

Erythritylis Tetranitras Dilutus.—A mixture of erythrityl tetranitrate with an equal weight of lactose is described. A foot-note gives the instruction that when erythrityl tetranitrate or erythrol tetranitrate is prescribed, twice the prescribed amount of the pharmacopœial article must be dispensed. This course is made necessary by the explosive properties of the pure substance.

CHANGES IN STRENGTH AND COMPOSITION

The serious changes in strength and composition made in this Pharmacopæia are not numerous.

Arsenical Solution, in conformity with the International Agreement, is now a neutral solution of the same strength as formerly. The compound tincture of lavender has been omitted. The change from alkaline to neutral reaction overcomes certain disadvantages arising from incompatibility with other drugs which attached to the older preparations. The criticism has been made that the new preparation develops moulds on keeping. This subject is under investigation. There is ample evidence that this preparation can be made satisfactorily by the pharmacopœial method and can be kept in good condition for a long time.

Senna.—Some changes in the composition of the

senna preparations have taken place. The powdered leaf, as formerly, is used in preparing confection of senna and compound liquorice powder. The liquid preparations are made from the fruit, which is usually considered to yield milder preparations than the leaf, provided that the seeds are not broken.

Squill.—The preparations of squill have been altered to bring them into line with the International Agreement. The vinegar and the tincture have been reduced to one-half the strength of the corresponding pre-parations of the British Pharmacopæia, 1914, and the doses have been doubled. The oxymel now contains active constituents approximately equivalent to 5 per cent. w/v of squill and is of about two-thirds the strength of the corresponding preparation of the British Pharmacopœia, 1914. Syrup of squill has been slightly increased in strength, and now contains active constituents approximately equivalent to 4.5 per cent. of squill. The doses of the two latter preparations have not been changed.

Syrup of Ferrous Phosphate with Quinine and Strychnine.—The proportion of strychnine has been reduced to one-half, and some glycerin has been included in the formula with a view to increasing the stability. The introduction of the name Easton's syrup as a

synonym should be noted.

Tincture of Stramonium is now standardised, and the

strength is reduced to approximately one-half.

Nomenclature.—It will be noticed that the naming of drugs has been enriched by the freer use of synonyms which, as explained in the General Notices, are official titles. In making any alterations in the names of drugs which occurred in the British Pharmacopæia, 1914, and in giving names to new drugs, the Pharmacopæia has been brought into line as far as possible with the International Agreement and the United States Pharmacopæia. Another general rule has been to use correct chemical names whenever possible.

Two changes may give rise to comment, namely, pulvis ipecacuanhæ compositus becomes p.dvis ipecacuanhæ et opii, and tinctura camphoræ composita becomes tinctura opii camphorata. These changes follow the principles of the International Agreement, and any who take exception to the reference to opium in the, title may be reminded that the former names are in

cluded as synonyms.

CHANGES IN DOSES

The principle of expressing doses in both the metric and imperial systems has been continued, but the quantities decigram, centigram, decimil and centimil have been discontinued. When an unusually large dose appears to have been prescribed, it will be the duty of the pharmacist or dispenser to satisfy himself that the prescriber's intention has been correctly interpreted. Notes will be found stating the quantity of active ingredient of a preparation which occurs in the maximal doses. These are merely approximate statements intended for the guidance of the prescriber, and they are not to be regarded as statements of standards. Statements of standards are placed at the head of the monographs, and these statements for the guidance of prescribers, for the most part, are in only approximate agreement, but there should be no confusion if this explanation is remembered. The doses of certain highly potent drugs have been changed. As instances, the following increases in maximal doses may be cited: -

 $\begin{array}{c}
\vdots \\
\frac{1}{16} \text{ gr. becomes } \frac{1}{12} \text{ gr.} \\
\vdots \\
\frac{1}{100} \text{ gr. becomes } \frac{1}{60} \text{ gr.}
\end{array}$ Arseni trioxidum ... Atropina .. Atropina Atropinæ sulph. .. 16 gr. becomes 1/2 gr.
4 gr. becomes 5 gr.
15 M becomes 30 M
15 M becomes 30 M Strych. hydroch. .. Thyroideum Thyroideum ...
Tr. belladonnæ ... Tr. nucis vomicæ

Some reductions of dosage may be cited also:—

.. 30 M becomes 20 M Ext. ergotæ liq. .. Ext. hyoscyami sicc. 8 gr. becomes 1 gr. Hyd. subchlor. .. 5 gr. becomes 3 gr. (By intramuscular injection 1 gr.) 60 M becomes 30 M Liq. morph. hydroch. ::} 15 gr. becomes 10 gr. Phenacetinum Phenazonum .. 15 gr. becomes 10 gr. Pulv. ipecac. et opii

Units.—The principle of dosage by units is new to the Pharmacopæia, although it is already familiar in relation to such biological products as antitoxins, serums, and insulin. The Pharmacopæia states also doses in the form of units for pituitary (posterior lobe) extract, but these are accompanied by doses expressed by measure. The difficulties which have followed from the use of pituitary extracts by volume-dosage are well Although the definition of one standard strength will tend to remove the confusion which has been caused by the sale of extracts of different strengths, there is no doubt that units will provide a better basis for dosage than volume. The strengths of the preparations of digitalis also are given in terms of units, and the dosage is expressed by weight or measure. It is hoped that the principle of prescribing by units will be used by medical practitioners.

STORAGE NOTES

An interesting feature of the new Pharmacopæia is the inclusion in many of the monographs of instruc-tions regarding storage. The form of expression adopted —the drugs "should be kept" or "should be stored" —indicates that these notes are more of the nature of recommendations than requirements. It is difficult to see how compliance with them can be enforced, but it may be suggested that in the event of a prosecution for the supply of a pharmacopæial article which had deteriorated on storage, it would be a point in favour of the vendor if it could be shown that the pharmacopeial directions had been followed, and conversely it would go against the vendor if he had not observed them. The storage notes are, for the most part, instructions for protection against damp and undue exposure to light and air. In some instances the elaborate instructions for storage may appear to give additional trouble to the pharmacist. For instance, liquid extract of ergot is directed to be kept in a completely filled container, and stored in as cool a place as possible. The reason for this direction is given, and the pharmacist will find it convenient to buy liquid extract of ergot in small bottles. Many special instructions of this kind occur throughout the book.

STERILISATION

Another innovation to the British Pharmacopæia, 1932, is the introduction of methods of sterilisation for materials intended for injection. The general methods are described in an Appendix, and the special application of these methods to particular drugs is indicated in the individual monographs. This is a department of dispensing work which should receive the serious attention of the pharmacist. The increase in medication by injection requires that this subject should form an important part of his training, and his skill should be tested by examination. It would be a matter for regret if operations of this kind were left to the enterprise of large manufacturers. If pharmacists are to maintain their reputation for skill in the preparation of the materials required in medical treatment they should be prepared to carry out these preparations on a small scale, and in accordance with the extemporaneous requirements of individual medical practitioners.

Discussion

The President, in inviting discussion, remarked that Dr. Hampshire had dealt with a very difficult subject

in a very able and acceptable manner.

Mr. Melhuish said that those present were much indebted to Dr. Hampshire for introducing this vital subject. Many of the changes in the new Pharmacopæia would come as something of a shock; but they should be able to grasp the changes and meet the requirements. All were changes for the good. It was time that a standard for concentrated infusions was set up in the B.P.; it was time, too, that a standard for serums and vaccines was set up. Pharmacy had not lagged behind in bacteriological tuition; in the establishment of standards the Society's Pharmacological Laboratories had been of great value, and pharmacy could claim a not inconsiderable share in the production of the new book.

Mr. EVERS voiced appreciation of Dr. Hampshire's work as secretary of the Pharmacopæia Commission. The disadvantage of all pharmacopæias was that they could never be ahead of current opinion, but were always a little behind. The first London Pharmacopæia was so bad that it was withdrawn in the year of publication, and the first British Pharmacopæia lasted only

three years.

Mr. FOURACRE, after congratulating Dr. Hampshire on his appearance as a "dual personality," inquired why the figure of 260 seconds had been given in the viscosity test for liquid paraffin. To change over in a hospital from a satisfactory liquid paraffin of another viscosity was a considerable task; again, if doctors had experience of a product with one viscosity in the hospital and another was dispensed when they prescribed

for their own patients, there might be trouble.

Mr. LINSTEAD raised the question of the difficulty caused by the coming of the Pharmacopæia into force immediately after publication. The Society had made representations to the General Medical Council for a period of grace, and it was hoped that (by an Act of Parliament, if necessary) the desired interval would

in future be secured.

Mr. HIGHFIELD pointed out that liquid paraffin of high viscosity was not suitable for spraying. changes with regard to tincture of ipecacuanha, Parrish's food and essence of peppermint were rather unfortunate

from the point of view of counter sales.

At this point a few questions were asked, the principal ones being: Why the title "tinctura opii camphorata" for paregoric, seeing that this name, formerly official, had led to confusion with tinctura opii in prescriptions? How long will the new liquid extract of ergot keep? Is

the lengthy testing of some of the new substances generally practicable?

Mr. F. Browne suggested that one principle of compilation was important—that while sufficient purity was essential, purification should not be carried too far, so as to make a preparation unduly dear, and interfere with its usefulness. Carbon tetrachloride, for instance, contained an appreciable amount of sulphur compounds without being rendered less useful.

Mr. W. WYATT supported Mr. Browne's suggestion, adding the instance of precipitated sulphur; when this had to be made with hydrochloric instead of sulphuric

acid its usefulness was much diminished.

Mr. Skinner asked two "conundrums." What was to be done when, a radical change having been made in liquid extract of ergot, there was still a difficulty in getting it? And it was directed that sterilised substances bottled with a rubber cap for repeated use should contain an antiseptic; what if they did not? (Laughter.)

Reply and Vote of Thanks

Dr. Hampshire gave a general reply on the principal points raised. The figure given for the viscosity of liquid paraffin had been adopted, on the advice of experts, as a reasonable average figure. As to Parrish's rood, there had been a good deal on the market that was not very creditable to pharmacy; standards should be made, and chemists would find their own ways of dealing with this and related problems. The title "tinctura opii camphorata" was adopted in pursuance of the International Agreement; the former title was still available as a synonym. Liquid extract of ergot deteriorated very rapidly unless kept at a low temperature. Carbon tetrachloride was not a good example of too expensive materials, as it was reasonable in price. The figure given of the content of quinine sulphate in liquor quininæ ammoniatus (11/3 gr.) varied rather widely from the exact quantity; this was one of the things that would probably be corrected at an early opportunity. If new preparations were not quickly available, the policy was to be reasonable; good advice had been given on this point in Scotland. He would prefer to have notice of Mr. Skinner's second question. (Laughter.)

Dr. Beddard moved, in brief and cordial terms, a vote of thanks to Dr. Hampshire for his address

Dr. Burn, in seconding, described the new Pharmacopæia as a great personal triumph for Dr. Hampshire. The difficulties of a secretary with so many sub-committees round him could be imagined. With Dr. Hampshire's acknowledgment the pro-

ceedings ended.

Pharmaceutical Society of Great Britain Scholarships Competition

We have received the following statement from Mr.

F. W. Adams, assistant secretary of the Society:—
"Candidates who are taking the Scholarships competition next year will be glad to know that their special position, owing to the change in the B.P. during their period of study, has been met by the Council. The B.P. 1932 will be the basis of the examination, but questions will be confined to those substances of the B.P. 1932 that were contained in the B.P. 1914.

Branch Meetings

Sheffield.—A meeting of the Sheffield and District Branch was held on November 2, Mr. C. W. Hobson (president) in the chair, to hear a lecture by Dr. K. H. Coward on *The Methods of Estimation of the Vitamins*. The nutrition department of the Pharmacological Laboratories, said Dr. Coward, was established primarily for the coverage of the control of the coverage of th for the purpose of estimating vitamins A and D in different samples of cod-liver oil. This had necessitated a great deal of laborious research. The degree of variation in response of animals all given the same dose of any vitamin had to be determined, then the differences in average response of large groups of animals to graded doses of that vitamin, then the number of animals which must be used in order to get a reasonable degree of accuracy in any test. This had been

done for vitamins A, C and D. Vitamins B, and B, were being investigated. Lately the recommendations of the Permanent Standards Committee of the League of Nations for the adoption of certain standards of reference for vitamins A. B_D, C and D had made possible the comparison of results obtained in different laboratories and in the same laboratory at different times. After a discussion Mr. Antcliffe moved a vote of thanks to Dr. Coward for her address. The Council, he said, were proud of their laboratories.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed " Corner for Students, 'The Chemist & Druggist,' 28 Essex Street, London, W.C.2.'

Report on the October Observation Exercise in Chemical Analysis

This exercise was set with a view to directing further attention to the importance of a careful preliminary examination of an unknown substance before the usual systematic analysis for basic and acidic radicals is proceeded with. Preliminary tests systematically applied, attentively observed, and correctly interpreted, often furnish information that is of great value, not only in indicating, with practical certainty, the presence or absence of some individual radicals, but also in pointing to the most appropriate method to be adopted in the subsequent systematic analysis, and it is for this reason that stress is here placed upon their employment. Accurate conclusions from the results of preliminary tests can only be reached when the changes capable of being noted during their performance are minutely, fully, and intelligently observed, and this observation exercise was purposely set as a forerunner to the exercises of the tournament series, in which it is intended to attach special importance to the portions of students' reports that deal with the dry-way and other preliminary testing.
Samples of the powder for examination were sent

out to sixteen students, and ten reports were returned

for examination.

In the case of the present exercise it was not a difficult matter to identify, by preliminary tests alone, the main constituent of the powder-potassium hydrogen tartrate—but the slight impurity, which consisted of a mere trace of manganese, purposely added in the form of manganous carbonate, was not reported by any student. This result we regard as not a little remarkable, in the first place because only two students applied the ordinary dry-way test which could have revealed its presence—that is, fusion with sodium carbonate and potassium nitrate or chlorate so as to produce manganate, recognisable by its green colour—and in the second place because both of those who reported that they had applied the test failed to observe the formation of a residue that, as in our own experiment, showed a sufficiently distinct green colour to place the presence of a trace of manganese beyond

PRIZES

The First Prize for the best report has been awarded

EDGAR PHILLIPS, Moss Lane, Madeley, near Crewe.

The Second Prize has been awarded to: Donald Morrison, 41 Menzies Road, Aberdeen.

First Prize.—Any scientific book that is published at price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

(To be continued.)

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, November 10

REPORTS indicate a rather uneventful week, with business moving steadily on restricted lines. The tone in most directions is well maintained, with sellers showing no desire to force sales. In pharmaceutical chemicals the recent advances due to sterling exchange depreciation are all maintained. Phenacetin is steadier, with not so much cheap stuff offering. In crude drugs the advance recorded last week in menthol continued early on, but the market has since moved back and is now much quieter. This check in the movement to better prices may be only temporary. Agar-agar is dull and easier. Cod-liver oil is firm and fairly active. Honey continues bright and is firm. Gum acacia is dull. Ipecacuanha is easier and rather unsteady. Mercury seems to have completed the advance to compensate the lower exchange rates. Alexandrian and Tinnevelly senna pods are well held for full prices on spot. Business in essential oils has been on modest lines, but has been by no means negligible. Ceylon citronella is easier for shipment, with spot short and steady. Sicilian handpressed lemon is at very wide limits for shipment and the prices mentioned from the various sources for orange oil for shipment show considerable variation. Japanese dementholised peppermint continued in active demand early in the week but has since quietened down and the spot market at the moment is not so firm. In coal-tar products there has been a good seasonal demand for carbolic acid crystals and prices are dearer, with producers well sold ahead.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre		Quoted Par		November 10	Value of the	
Amsterdam Berlin Brussels Copenhagen Lisbon Madrid	• • • • • • • • • • • • • • • • • • • •	Fl. to £ Mks. to £ Belga to £ Kr. to £ Esc. to £ Ptas. to £	12.107 20.43 35 18.159 110 25,22 §	8,21 13,87½ 23,77 19,20 110 40½	13/6 % 13/7 13/6 % 21/1½ 20/0 32/2	
Milan Montreal New York Oslo Paris Prague Stockholm Warsaw Zurich		Lire to £ Dol. to £ Dol. to £ Dol. to £ Kr. to £ Zloty to £ Fr. to £	92.46 4 863 4 863 18.159 124.21 164.25 18.159 43.38 25.2215	64½ 3.78 3.29⅓ 19⅙ 84⅓ 111½ 18ੴ 29₺ 17.12	13/91 15/62 13/62 21/72 13/63 14/42 20/92 13/9 13/7	

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A FAIRLY satisfactory volume of business has been transacted this week, and the recent advances in prices are being maintained, with the general tone steady. Salicylates are good markets. Convention prices for quinine salts are unchanged.

ACETANILID is unchanged on a slow market: B.P. crystals and powder, 1s. $5\frac{1}{2}d$. to 1s. 8d. per lb. as to quantity.

AMIDOL.—Quoted prices are unchanged; business is limited: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

Amdopyrin.—Dealers' spot prices are steady, business limited; dearer forward: two cwt., 18s. 6d.; less than two cwt., 19s. 9d. per lb., with powder 2d. per lb. extra.

Anmonium Benzoate meets with some small business, quoted from 3s. 4d. to 3s. 6d. per lb. as to quantity.

ASPIRIN.—Business is quite good, with dealers' and makers' prices steady. Home trade: ten ewt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8d.d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10.l.; 7 lb., 3s. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 7d. per lb. f.o.b.; less than one cwt., 2s. 9d. per lb. ex works.

BARBITONE.—The spot market is fully steady and forward is dearer; business moderate: spot, one cwt., 11s.; 56 lb., 11s. 3d.; 14 lb., 11s. 6d.; smaller parcels, up to 12s. per lb.

BENZONAPHTHOL.—The market is dull: spot quoted from 3s. 6d. to 3s. 9d. per lb. as to quantity.

BENZOIO ACID (B.P.).—Business is fair, with the market steady: quantities ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 1d. per lb. ex store.

BISMUTH SALTS.—Makers' prices continue at the higher figures recorded last week.

Browness.—Business is fair on limited lines; market steady as quoted by makers and dcalers: ammonium, not less than five cwt. 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 1d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb. net without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Quoted prices are steady; business slow: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb. in 1-lb. bottles.

CHIORAL HYDRATE.—Makers' prices for home trade are steady: duty-paid crystals, in 14-lb. free containers, fivo cwt., 3s. 4d.; one cwt., 3s. 5d.: 56 lb., 3s. 6d.; 23 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 28-lb. jars, one penny per lb. extra.

Chloroform.—Makers' prices for home trade are steady: in drums, 2s. 3d. to 2s. 6d.; winchesters, 2s. 3½d. to 2s. 6½d.; 2-lb. bottles, 2s. 4½d. to 2s. 7½d.; 1-lb. bottles, 2s. 5½d. to 2s. 8½d.; 3-oz. bottles, 2s. 6½d. to 2s. 9½d.; 4-oz. bottles, 2s. 8½d. to 2s. 11½d. per lb. for ten cwt. down to 56-lb. lots; carriage paid on minimum cwt. lots.

CITRATES.—Home makers' prices are as follows:-

-	Under 4 lbs.	4 lbs. aud under 7 lbs.	71bs, and under 14 lbs.	14 lbs. and under 28 lbs.
Ferri et ammon. cit., B.P. (brown)	s. d. 2 5 2 3 2 0 2 4	s. d. 2 3 2 1 1 10 2 2	s. d. 2 1 1 11 1 8 2 0	s. d. 1 11 1 9 1 6 1 10

23 lb., 3d. per lb. less. Special prices for bulk quantities. CITRIC ACID (B.P. CRYSTALS).—Makers quote for home consumption at 10åd. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices are very competitive.

CREAM OF TARTAR.—British makers' quoted price for 99 to 100 per cent. material is unchanged at 85s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are quoting at about the same figure.

CREOSOTE (B.P.).—The spot market is dull: dealers quote at about 2s. 1½d, to 2s. 2½d, per lb. for quantities in demijohns; smaller lots, up to 2s. 4d. per lb.

ETHER (METHYLATED).—Makers' prices are as follows: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb. in w-quarts; 12 w-quarts, halfpenny less, and packed in drums or carboys, 1d. less.

HEXAMINE.—Business has been fairly satisfactory, with the market competitive for any big orders: ten cwt., 2s. 2½d.; two cwt., 2s. 3d.; one cwt., 2s. 3½d.; smaller quantities, up to 2s. 6d. per lb. Forward prices on gold basis are unchanged.

Hydroquinone.—The market continues at the recent advance; isolated parcels at cheaper prices: ten cwt., 5s. $1\frac{1}{2}$ d.; five cwt., 5s. $2\frac{1}{4}$ d.; two cwt., 5s. 3d.; one cwt., 5s. $3\frac{1}{2}$ d.; 56 lb., 5s. $4\frac{1}{2}$ d; 28 lb., 5s. $6\frac{1}{2}$ d.; 14 lb., 5s. $8\frac{1}{2}$ d.; 7 lb., 5s. $10\frac{1}{2}$ d. per lb., carriago paid.

IODIDES.—Makers' prices for these salts continue at the higher prices quoted last week.

LACTIC ACID (B.P.) meets with a limited demand on a competitive market: quantities in carboys, 1s. 5½d. to

1s. 6d.; in demijohns, about 1s. 7d.; in winchesters, 1s. 8½d. to 1s. 9d. per lb. as to quantity.

METHYL SALICYLATE (B.P.) meets with a satisfactory business, with dealers' and makers' prices steady: one ton and over, ls. $4\frac{1}{2}$ d.; ten cwt., ls. 5d.; five cwt., ls. $5\frac{1}{2}$ d.; one cwt., ls. 6d.; less than one cwt., ls. $6\frac{1}{2}$ d.; smaller quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Spot values are quoted fully steady, with forward dearer on eurrent exchange rates: spot, two ewt., 19s. 6d.; one cwt., 20s.; 56 lb., 20s. 8d.; small parcels, 21s. 6d. per lb.

METOL.—The market remains quiet and unchanged: spot, 56 lb., 9s. 3d.; 23 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in tins, bottles extra. Wholesale distributors' prices for smaller quantities at higher prices.

MILK SUGAR.—Dealers' prices are holding at the advances recorded last week: one ton, 51s. 6d.; ten cwt., 53s.; two cwt., 54s. 6d. per ewt., in two-cwt. cases.

Paraformaldehyde.—Business is moving on limited lines; market quoted unchanged: 100 per cent. powder, quantities in kegs, 1s. 2d.; smaller parcels, up to 1s. 7d. per lb.

PARALDEHYDE.—A little more business, with the market steady: quantities in earboys, Is. to Is. 1d.; in winehesters, Is. 4d. to Is. 6d. per Ib.; higher prices for small quantities.

PHENACETIN.—This market is fairly steady at the recently reduced gold prices; some outside material is available: spot, crystals, ten ewt., 3s. 2½d.; five cwt., 3s. 3½d.; two cwt., 3s. 4d.; and less, 3s. 5d. per lb., with powder now at the same figures. On current rate of exchange of American dollar, the gold prices work out about: ten cwt., 4s. 9d.; five ewt., 4s. 10½d.; two cwt., 4s. 11d.; less than two cwt., 5s. 1d. per lb.

PHENAZONE.—Some operational business is being done, with the market fairly steady: erystals, ten cwt., 9s. 7½d.; five ewt., 9s. 10d.; two cwt., 10s.; and less, 10s. 6d. per lb., with powder 2d. per lb. extra.

PHENOLPHTHALEIN.—The market is very steady as quoted by makers: five cwt., 3s. 10d.; two cwt., 3s. 11d.; one cwt., 4s.; 28 lb., 4s. 3d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; smaller pareels, up to 5s. per lb.

PHENYL ETHYL BARBITURIC.—Quoted prices are unchanged, with some outside competition: one cwt. 38s. 6d.; 56 lb., 39s. 6d.; 28 lb., 41s.; less, 42s. 6d. per lb. in 2-lb. bottles, carriage paid; small quantities in smaller packing at higher prices

POTASSIUM PERMANGANATE (B.P.).—Dealers are doing a steady business in limited quantities: bulk lots in two-cwt. drums, 8\frac{3}{4}d. to 9\frac{1}{4}d.; druggists' parcels, 9\frac{1}{2}d. to 10d. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Business is very quiet: dealers quote spot from about 4s, 9d, to 5s, per lb, as to quantity.

Pyrogallic acid.—Prices are quoted unchanged; market is quiet: 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb. in 7-lb. tins.

QUININE SULPHATE.—The Convention prices for these salts are maintained: sulphate, 2s. 6d.; hydrochloride, 3s. 1d.; hydrochromide, 3s. 1d.; salicylate, 3s. 3d.; alkaloid, 3s. 5d.; phosphate, 3s. 10d.; hypophosphite, 4s. 5d.; valerianate, 4s. 10d. per oz., carriage paid on bulk quantities.

RESORCIN.—The higher scale of prices recorded last week continue in force: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb., with powder 3d. per lb. extra.

ROCHELLE SALTS.—Makers' prices are at the reduced rates recorded last week.

SACCHARIN.—The controlled price is steady: 550, 1 lb., 37s. 6d. per lb., duty paid, with rebates for quantities.

Salicylic acid (B.P).—Makers' prices are well maintained: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL seems to be in very limited demand; market quoted unchanged: crystals, two cwt., 5s. 2\frac{3}{4}d.; one cwt., 5s. 4\frac{3}{4}d.; 56 lb., 5s. 6d.; smaller pareels, 5s. 7\frac{1}{2}d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—Fierce competition continues, with home makers meeting the market: fair quantities, about £27 per kilo.

SODIUM BENZOATE.—The market is steady but rather competitive: bulk quantities, Is. 6½d.; cwt. lots, Is. 7¼d.; smaller parcels, up to 2s. per lb. Limited quantities of material eonforming to the new B.P. are available at 1s. 7½d. to 1s. 9d. per lb. as to quantity.

SODIUM DIETHYLBARBITURATE.—The market is steady as quoted: spot, one cwt., 13s.; 56 lb., 13s. 1d.; 28 lb.,

13s. 3d.; 14 lb., 13s. 5d.; 7 lb., 13s. 6d.; emaller quantities, up to 14s. per lb.

SODIUM SALICYLATE (B.P.).—Business is moderate, with makers' and dealers' prices unchanged. Home trade: powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five ewt., 1s. 11½d.; one cwt., 2s.; 23 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—The spot market is fully steady and forward is dearer: spot, erystals, two ewt., 15s. 9d.; one cwt., 16s. 3d.; 56 lb., 16s. 9d.; smaller parcels, up to 17s. 6d. per lb.; with powder 2d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—Makers continue to quote for home trade at 10¼d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering parcels at very keen prices.

THEOBROMINE.—The market is dull and competitive: pure alkaloid, 5s. 3d. to 5s. 6d.; sodium salicylate, 5s. to 5s. 4d. per lb. as to quantity.

THYMOL.—Some spot offers are cheaper than the usual quoted priees; market is dull: synthetie, fine white, one cwt., 5s. 9d.; 56 lb., 5s. 10½d.; 23 lb., 6s.; 14 lb., 6s. 1½d.; per lb.; ex ajowan seed, one cwt., 7s. 6d.; 56 lb., 7s. 7½d.; 28 lb., 7s. 9d.; 14 lb., 8s. per lb.

Vanillin.—Except for a few cheap parcels the market is steady; business has been limited: ex guaiaeol, one ton, 14s. 5d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb., as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

ACONITE ROOT.—Dealers are quoting spot supplies of Napellus at about 67s. 6d. per cwt.

AGAR-AGAR.—With business still very poor the market is quoted easier and unsteady. Spot, Kobe No. 1, 2s, 7\flant_d.; Kobe No. 2, 2s, 6d,; Yokohama No. 1, 2s, 6d, per lb.; shipment is cheaper. Kobe No. 1, 2s, 1d.; January-Pebruary, 1s, 10\flant_d.; Kobe No. 2, 1s, 8d.; Yokohama No. 1, 1s, 8d. per lb. c.i.f.

Exports from Japan for period January-July totalled 1,983,000 lb., valued at \$657,000, compared with 2,333,500 lb. (\$1,482,000) during the same period of 1931.

Antimony.—Quoted prices are maintained; market steady. Chinese crude, spot £18 10s.; shipment, £17 10s. e.i.f. Chinese crude, spot, £27; shipment, £23 5s. e.i.f.

Balsans.—Business has been unimportant; market steady. *Tolu*, spot, 3s. 4d. to 3s. 5d.; *Canada*, 3s. 3d. to 3s. 4d. per lb. as to quantity.

BELLADONNA.—The market is quiet. Good test root quoted in the region of 57s. 6d. per ewt. as to quantity.

Buchu.—The market is steady and business is moving on small lines. Good green rounds, 1s. $3\frac{1}{2}$ d. to 1s. 4d.; fair to medium, 1s. 1d. to 1s. 2d.; ovals are quoted from 9d. to $9\frac{1}{2}$ d. per lb. spot.

CAMPHOR.—The spot market is dull and nominally unchanged, but cheap parcels are offering. Shipment from Japan is dearer. Spot, Japanese, slabs, 2s. 3d.; tablets, 2s. 10d. per lb.; shipment, slabs, 1s. 10½d.; flowers, 1s. 11d.; tablets, 2s. 4d. per lb. c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.: 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 3 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and 4oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CANTHARIDES.—Some lots of Russian are being offered from the Continent at 8s, 6d, per lb.

CASCARA SAGRADA.—The shipment price for car-load lots of new peel is at about 50s. per cwt. c.i.f. The spot market is rather dearer and supplies are reported to be limited. Spot, 1931 peel, 63s. 6d. to 65s.; 1932 peel, 55s. 6d. per cwt.

Chamomiles.—Dealers are offering spot supplies from 135s, to 160s, per cwt. as to colour.

CLOVES.—Values are about maintained, with the market still quiet. Zanzibar, spot, 7\deltad.; shipment, November-December, 6\deltad. per lb. c.i.f. Madagasear, spot, 7\dd. per lb.

December, Ogu. per 1D. c.1.I. Madagasear, spot, 74d. per lb. The landings of Zanzibar in London during the week ended November 5 were 295, and the deliveries 60, leaving a stock of 1,418, against 979 in 1931. From January 1 to date landings of Zanzibar have been 5,022, against 3,341 in 1931, and the deliveries 5,591, against 3,181 in 1931. Landings of Madagascar for the week ended November 5 were nil, and the deliveries 11, leaving a stock of 1,267, against 732 in 1931. Landings of Madagascar this year to date have been 814, against 2,320 in 1931, and the deliveries 543, against 2,494 in 1931.

COCOA BUTTER.—Prime English is quoted from 93d. to 103d. per lb. as to quantity.

COCONUT (DESICCATED),—The market shows a slight advance, closing steady but quiet. Spot, fine, 25s.; medium, 24s. 6d. per cwt.; shipment, halves, November-December, 23s. 6d. per cwt. c.i.f.

Cod-Liver of Code and the price is fully held at 88s. 6d. to 90s. per barrel c.i.f. for finest Lofoten steam-refined, non-freezing medicinal oil. Spot is quoted firmly at about 107s. 6d. per barrel ex store, duty paid. Some brands would be cheaper.

Exports from Newfoundland from January to September totalled 108,118 gallons.

DIGITALIS LEAVES.—Dealers' price for 1931 crop good green leaves is steady at about 55s. per cwt.

Ergor.—There is not much interest shown in this market, but prices are maintained. Spanish, new crop, shipment, 1s. 4d. per lb. c.i.f.; spot, about 1s. 6½d. per lb. Russian is quoted at about 1s. 1d. per lb. spot.

Gelatin.—Business continues on fair lines, with the market steady. Spot, gold leaf, 2s. 1d.; silver leaf, 1s. $10_2^{\rm i}$ d.; bronze leaf, 1s. $8_2^{\rm i}$ d.; thin leaf, 1s. $7_2^{\rm i}$ d. per 1b. in cwt. lots.

Gentian.—Limited spot supplies are offered at about 47s. 6d. per cwt.; market steady.

GINGER.—The demand for West African has been slow this week. Spot, 23s. 6d.; for arrival, 22s. 6d. per cwt. c.i.f.

GUM ACACIA.—Business has been slow but the market is fairly steady. Spot, Kordofan cleaned sorts, 35s. 6d.; natural, 32s. 6d.; bleached, about 75s. per cwt. Shipment, old erop, Kordofan cleaned sorts, 30s.; natural, 29s. per cwt. e.i.f. New crop is at a premium of about 1s. per cwt.

HENNA LEAVES.—There has been more inquiry on the market, with prices from 25s. to 32s. 6d. per cwt. as to grade.

HONEY.—There has not been quite so much business this week but the market continues firm at full prices and supplies generally are unusually low. Some Jamaican white smooth set is available from 60s.; good medium at about 47s. 6d., and dark manufacturing quality at 30s. per civt. The cheapest on the market is some liquid amber Cuban, offered from 26s. Californian white clover continues to sell well at 50s. per civt.

HYDRASTIS.—The spot price continues at about 4s. 8d. to 4s. 9d. per lb., as to quantity. Market has been dull.

IPECACUANIIA.—Spot stocks of Matto Grosso are still comparatively low, but business seems to have been slower, and the price is now down to about 5s. 3d. per lb. The slightly easier conditions are due to rather cheaper offerings for shipment from origin.

Menthol.—Following on the sharp advance recorded last week, the market for K/S brands continued to move up, the highest price paid being returned at 19s. 9d. spot and 17s. 9d. for shipment, c.i.f. Latterly conditions have been quieter, with a tendency for values to recede. This movement to lower rates may be only temporary in view of the strength of the shipment market. At noon to-day more interest. Spot, 19s.; Octobor-December, 16s. 6d.; January-March, 16s. 6d. per lb. c.i.f. sellers. Japan quotes double-pound menthol and peppermint oil 23s. 6d. c.i.f.

MERCURY.—Prices for spot supplies continue to advance, and are now very steady at £10 17s. 6d. to £11 5s. per bottle, ex warehouse, as to quantity. The shipment price is now quoted at 35 dollars (American) per bottle, f.o.b. Spanish/Italian port, 36 dollars, ex store, duty paid.

OPIUM.—This market has been neglected, with the price keeping steady at 1s. 4d. per unit, duty paid and landed.

PEPPER.—There is a much steadier tone in the market this week, and shipment prices are better. Lampong, spot, 6_{10}^{1} d.; shipment, October-December, 5_{10}^{1} d. sold; January-March, 5_{20}^{1} d. sold and buyers, c.i.f. Tellicherry, spot, 6_{20}^{1} d.; shipment, January-March, 52s. per cwt. c.i.f. Aleppy, spot, 6_{20}^{1} d.; shipment, January-March, 49s. 6d. per cwt. c.i.f. White Muntok. spot, 7_{20}^{1} d.; shipment, October-December, 6_{10}^{2} d. sold: January-March, 6_{10}^{2} d. sold; March-May, 6_{10}^{2} d. per lb. c.i.f.

PIMENTO.—The market has been rather dull and is a point casier. Spot, 35d. per lb.; shipment, November-December, 26s. per ewt. c.i.f.

RUBBER.—This commodity has met with a slightly better demand, and the market has a better tone. Quotations show a slight recovery. U.K. stocks are further reduced to 99,425 tons against 132,607 tons a year ago. Standard ribbed smoked sheet, sellers, spot, 2\(^3_4\)d.; November, 2\(^3_3\)d.; December, 2\(^3_3\)d.; January-March, 1933, 2\(^3_2\)\(^3_3\)d.; April-June,

 $2^{\rm g}_{\rm d}{\rm d}$; July-September, $2^{\rm g1}_{\rm 52}{\rm d}$; October-December, $3^{\rm 1}_{\rm 52}{\rm d}$ per lb.

SAFFRON.—Spot prices are steady at the advance recorded last week: small business passing. Primo B.P., 65s. 6d.; extra B.P., 61s.; super B.P., 57s. per lb., and less for bulk quantities.

SARSAPARILLA.—A steady but small business has been done with the market unchanged. Jamaica, grey, 1s. 10d.; native, 1s. 1d. to 1s. 2d. per lb., as to colour.

SEEDS.—Anise.—Spanish, 52s. 6d. Bulgarian, 35s., and Levant 34s. per ewt., spot. Canary.—Quiet, spot. Mazagan, 12s. 9d.; Tangier, 12s. 6d.; Kenitra, 12s. Linseed.—Firmer. Mazagan parcels, on spot, withdrawn from market. Morocco quoted at 15s. Coriander.—Small demand, Morocco, 1929 crop 15s. 9d., wormy 14s. 9d. Cumin.—Malta, spot, 34s.; Morocco sold at 32s. Fenugreer.—Morocco, spot, firm at 12s. 6d.; 10s. c.i.f. quotod. Caraway.—Dutch unchanged at 33s. 6d., duty paid. Mustard.—English 25s. to 33s. per cwt., according to quality. Extra bold mustard still short.

Senega.—The spot price is still at about 2s. 3d. per lb., and slightly less for bulk quantities. Shipment is unchanged at 2s. $2\frac{1}{2}$ d. per lb. e.i.f.

Senna.—Although business is by no means active tho tone is fully steady. Alexandrian manufacturing pods. 7d. to 7_4^4 d. per lb. Tinnevelly hand-picked pods, 7d. to 7_4^4 d.; f.a.q. pods, 4_2^4 d. per lb. The shipment markets are well held at former rates.

SHELLAC.—The market is steadier and a little more business is being done. Spot, standard TN orange, 57s. 6d.; fine orange, 65s. to 130s.; pure button, 65s. per cwt. For delivery, TN December. 50s. sold; March, 52s. sold; for arrival, TN, November-December, 49s. per cwt. c.i.f.

SQUILL,—More inquiry this week with dealers offering good white at about 25s. per cwt., spot.

STRAMONIUM LEAVES.—Supplies of new crop green leaves are available at about 50s. per cwt.

Tuba Root.—Spot stocks of high testing root are available at about 10½d. per lb.

Valerian Root.—Dealers are quoting spot root at about 55s. per ewt.

Wax (Various).—The markets are all quoted generally unchanged, with a small steady business passing. Carnaura, fatty grey and chalky grey, is quoted at 85s.; medium yellow is steady at 140s.; fine yellow is unchanged at 155s. Candelilla steady at 75s. per cwt. Spermaceti steady at 94d. per lb., spot. Paraffin is about steady from 22s. 6d. to 50s. per cwt. as to melting point. Ceresin is quoted from 35s. to 80s. per cwt., as to colour and melting point. Bees' now very steady, with the market rather quieter; bleached, discs. £7 10s.; slabs, £7 5s.; yellow refined is very steady at £5 15s.; yellow crude, 97s. 6d. per cwt. spot.

Essential Oils, etc.

Business has been moving on limited lines in most products. Japanese perpermint reached high prices early on and has since been much quieter, but may firm up again. Ceylon-citronella is quoted cheaper for shipment. Ccdarwood is a bright market and prices for the Colonial product are rather dearer.

ANISE (STAR).—Business has remained dull, with the market quoted unchanged: spot, "Red Ship" in leads, 1s. 10½d.; in tims, 1s. 8½d.; in drums, 1s. 8d.; shipment, in leads, 1s. 8d.; in tins, 1s. 6¾d.; in drums, 1s. 6¼d. per lb. c.i.f.

Bergamor.—There is no further news regarding the break-up of the Consortium, and shipment is nominal. Spot is dull, with holders quoting in the region of 9s. to 9s. 3d. per lb.

Bors de Rose.—The spot market for Brazilian is fully steady at 4s. 9d. to 5s. 3d. per lb. as to quantity. Shipment, in one-ton lots, about 5s. 4d. per lb. c.i.f. Cayenne is nominal, with nothing offering on spot or for shipment.

CARAWAY.—Dealers' prices for Continental twice-rectified are steady at about 7s. 9d. per lb. for fair quantities. Market is rather quiet.

CEDARWOOD.—Business in the Colonial product is satisfactory, with spot at 1s. 8d. in drums and 1s. 93d. per lb. in tins. American is quoted at 1s. 11½d. to 2s. per lb. spot, with shipment at 1s. 9¼d. per lb.

CITRONELLA.—The spot market for Ceylon is very steady at about 2s. 2!, per lb. and supplies are limited; shipment is again rather easier at about 1s. 103d, per lb. c.i.f. There has been a fair inquiry for Java, with spot holding at

about 3s. to 3s. 2d. per lb. in drums; shipment, about 2s. $8\frac{1}{2}$ d. per lb. c.i.f.

CLOVE.—The demand for Madagascar is fairly good and the market is quoted steadily at about 3s. 6d. per lb. shipment, 3s. per lb. c.i.f. English is quoted from 4s. 9d. to 5s. 3d. per lb. as to make and quantity.

EUCALIPTUS.—The spot market for Australian is fairly busy and prices are steady. 70 to 75 per cent., 1s. to 1s. 0dd.; 80 to 85 per cent., 1s. 1d. to 1s. 2d. per lb., and slightly less for bulk quantities. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

CERANIUM.—Limited business moving on spot and keen prices are quoted for Bourbon in some quarters which are well under the general figure of 24s. 6d. per lb.; shipment works out at about 23s. 6d. per lb. e.i.f Algerian is quoted on spot at about 23s. 6d. per lb.

LAVENDER.—Fair business continues to be reported, with some orders going to the cheaper sellers and some to the dearer brands of new crop French. Average brands: 50 to 52 per cent., 10s. 6d. to 10s. 9d.; 40 to 42 per cent., 9s. 3d. to 9s. 6d.; 38 to 40 per cent., 8s. 9d. to 9s.; 36 to 38 per cent., 8s. 3d. to 8s. 6d.; 30 to 32 per cent. 7s. 6d. to 7s. 9d. per lb., delivered, and slightly less for bulk quantities.

LEMON.—New crop Sicilian hand-pressed continues to be offered for shipment with a wide limit; as to brand and quantity, 4s. 3d. to 5s. 9d. per lb. c.i.f., the higher price being for a guaranteed hand-pressed choice oil. Spot is dull, with prices ranging from 4s. 4d. to 5s. 9d. per lb. Californian, spot, 57 cents per lb., in drums.

LEMONGRASS.—The spot market is very steady as quoted at from 2s. 4½d. per lb.; shipment, 2s. 3d. per lb. c.i.f. Spot supplies are limited.

LIME.—This market is well held as quoted at about 33s. to 33s. 6d. per lb. for genuine West Indian.

Orange.—The shipment market for Sicilian sweet new crop varies from about 5s. 9d. to 6s. 9d. per lb. e.i.f. Spot offers are at about 6s. 9d. per lb. French Colonial is quoted for shipment at about 4s. 3d. per lb. c.i.f., and less for bulk quantities. Californian, spot, 66 to 76 cents per lb., as to quantity.

PALMAROSA.—The spot market is about steady at 8s. 6d. per lb., with some occasional business. The shipment market is unchanged.

PEPPERMINT.—The market for Japanese dementholised oil continued to advance early in the week, the highest price paid being about 6s. 3d. Towards the close business was quieter, and there was a tendency for the market to move back. While cheaper prices may operate for a time, the opinion is expressed that a recovery is quite possible, in view of the undoubted strength of the shipment market. At noon (Thursday) more interest and steadier. Spot, 6s.; shipment, October-December, 5s. 9d.; January-March, 5s. 9d. per lb. e.i.f. Japan quoting to-day at 23s. 6d. per lb. e.i.f. per double-pound, menthol and oil. American oil has been of some interest, and the shipment price of the best brands has advanced to 1 dollar 92½ cents per lb. in drums, c.i.f., with tins five cents extra. Some brands are quoted at cheaper prices.

ROSEMARY.—This market is steady as quoted, and business is fair: spot, 1s. 11d. to 2s. 1d. per lb., as to quantity. French, from 3s. to 3s. 4d. per lb., as to quantity.

SPEARMINT.—Spot values are steady as quoted at 7s. 9d. to 8s. 3d. per lb., as to quantity, but business is still on the quiet side.

SPIKE.—Business has been rather quiet: market about unchanged. Spanish, on spot, 3s. 2d. to 3s. 3d. per lb., as to quantity; shipment, new erop, 3s. 2d. per lb. c.i.f. French, on spot, 4s. 8d.; shipment, 4s. 3d. per lb. c.i.f.

WORMSEED.—Business has been dull: spot is quoted at about 14s. 3d. to 14s. 6d. per lb.; shipment, about 12s. 7½d. per lb. c.i.f.

Coal Tar Products, etc.

The better seasonal demand for some products has improved conditions a little in this market. Carbolic acid crystals and pitch are firm. Toluol has been in more request. BENZOL.—The market is steady at the recent advance: standard motor 90's, 1s. 8d. per gallon, in tank wagons, ex works; pure, 1s. 10d. to 1s. 11d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40°).—There has been a good seasonal demand for this product, and bulk quantities are not easy to obtain, producers being mostly sold abead. The market is firmer with quantities of one ton down to small parcels at 7d. to 9d. per lb. f.o.b., or carriage paid, in drums with overcasks. Crude carbolic 60's, 1s. 9d. to 1s. 10d. per gallon, naked at works. CRESYLIC ACID.—The market has met with

more inquiry, and prices are rather better: pale 98 to 100 per cent., 1s. 4½d. to 1s. 6d.; dark 95 per cent., 1s. to 1s. 1d.; special qualities, 2s. 3d. to 2s. 6d. per gallon ex works. American duty-free acid, 1s. 3d. to 1s. 6d. per gallon ex works. American duty-free acid, 1s. 3d. to 1s. 6d. per gallon ex works. American duty-free acid, 1s. 3d. to 1s. 6d. per gallon fo.b. CREOSOTE oIL.—A little more life in the market, with bulk quantities at 4¾d. to 5¼d. per gallon ex works, South England. Export prices are from 4d. to 5d. per gallon as to grade. Kerosene is quoted unchanged: water-white, 10½d.; standard white, 9½d. per gallon, in barrels, ex wharf, London; in bulk, 3d. per gallon less. Motor spirit.—National distributors' prices are steady: No. 1, 1s. 6½d. per gallon, delivered in bulk for England, Wales and South Scotland; 1s. 7d. for Belfast, and 1s. 7½d. for remainder of Northern Ireland and North Scotland; 1s. 3½d. for Irish Free State, with Dublin 1s. 2½d. per gallon: No. 3 spirit, 2d. per gallon less, and aviation spirit, 4d. per gallon more in all cases; 1d. to 2d. per gallon more in two-gallon tins, as to district. PITCH.—The market is firm and inquiry is good: quoted at 95s. to 97s. 6d, per ton f.o.b. East Coast. SOLVENT NAPHTHAS.—There is more inquiry for 90 to 160, and prices are better: 90 to 160, 1s. 4d.; heavy, 90 to 190, 1s. to 1s. 1½d. per gallon naked at works. TOLUOL.—The market is steady at recent advances: commercial 90's, 2s. 2d. to 2s. 4d.; pure, 2s. 6d. to 2s. 8d. per gallon ex works. XYLOL.—This market is still dull: commercial, 1s, 9½d. to 2s.; pure, 1s. 11d. to 2s. 2d. per gallon ex works.

U.S. Peppermint and Spearmint Essential Oils Production, etc., for 1932

The 1932 production of peppermint oil and spearmint oil in five of the important producing states is estimated at about 59 per cent. of the quantity produced in 1931, which was 69 per cent. of the 1930 production. Since 1929, the acreage has been reduced by nearly one-half and the production decreased by more than 60 per cent. Except that of Michigan, the yields this season have been lower than in 1931. Unsatisfactory prices during the last few years are responsible for the sharp cut in acreage in Michigan and Indiana. The current domestic output of peppermint oil and spearmint oil, in the five States of Indiana, Michigan, Ohio, Oregon and Washington is estimated at 411,000 lb., as compared with 683,000 lb. in 1931, and 1,103,000 lb. in 1930. Peppermint oil exports during the first eight months of 1932 aggregated 152,073 lb., a 14 per cent. increase over the 133,972 lb. shipped in the corresponding 1931 period. The values declined, however, from \$274,639 to \$257,473, respectively. Total exports of this oil had previously declined from 233,294 lb. (\$700,177) for the calendar year 1930 to 229,532 lb. (\$438,202) in 1931. Exports of spearmint and other mint oils in the first eight months of 1932 totalled 12,320 lb., worth \$15,862.

Sudan Gum Acacia Exports

BOXALL & Co. report exports from September 1932 totalled 1,345 tons, compared with 1,085 tons in September 1931. Total exports for the period January-September 1932 were 13,571 tons, compared with 16,434 tons for the same period of 1931. The following were the chief destinations:—

Destination		1931			1932		
		Jan Aug.	Sept.	Total	Jan Aug.	Sept.	Total
Great Britain U.S.A. France Germany Italy Belgium Japan Spain Holland Sweden Norway Australia New Zealand China Canada British India Denmark Finland Poland Egypt Brazil		3,928 2,680 1,782 319 919 990 254 589 24 385 29 257 57 95 44 19 67 87	283 105 118 119 56 96 622 37 30 101 22 29 2 16 17 13 4 — 3	4,211 2,785 1,906 1,642 975 1,086 823 291 619 46 414 31 273 74 108 48 19 67 90 67 90 28	3,014 1,616 1,995 1,321 936 664 443 279 504 107 42 483 36 131 63 81 71 25 99 56	317 112 154 180 88 137 74 41 49 10 6 48 5 10 15 17 7	3,331 1,728 2,149 1,501 1,024 801 517 320 553 117 41 41 141 141 141 151 168 344 168

The export figures are made up of the following qualities:-

September, 1931 tons S. ptember, 1932	Hashab 1,023 1.188	Bleached 23 13	Talha 39 144	Total 1,085 1,345
January-Sept., 1931 tons	15,459	196	779	16,434
January-Sept., 1932	12,474	124	973	13,571

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Pharmacopæial Anomalies

SIR,—In your is ue of November 5, "Manufacturer's" letter calls attention to liquor quininæ ammoniatus, the 1932 B.P. 2 per cent. w/v solution of quinine sulphate. With due deference I submit that the quinine sulphate equivalent in 60 minims is 1.09 grain. The question arises whether 13 grain is the official standard and the first part of the monograph is wrong, or vice versa. My attention has been drawn by a colleague to some I per cent. w/v solutions and the dose statements in the new Pharmacopæia, viz.,

Liq. arsenicalis.—8m = 1/12 gr. As_2O_3 . 96m = 1 gr. As_2O_3 . Liq. glyceryl. trinitratis.—2m = 1/60 gr. trinitrin. 120m =

Liq. morphine hydrochloridi.—30m = 4 gr. morph.

hydroch. 120m = 1 gr. morph, hydroch. Liq. strychninæ hydrochloridi.-12m = 1/9 gr. strych. hydroch. 108m = 1 gr. strych, hydroch.

What explanations of such standard are possible?—Yours truly,

TECHNICAL (7/11). What explanations of such discrepancies in a legal

Price of Cod-Liver Oil

SIR,—As the firm referred to by Mr. J. D. Smith in your issue of November 5, we should be glad of an opportunity to explain our position. Our arrangements were made some time before the Ottawa Conference, and we have no desire to take part in any argument with regard to the preferential duty. The Governments of this country and of Newfoundland are quite able to deal with that. The report of the Medical Research Council with that. The report of the Medical Research Council published in July this year has established that the principal value of cod-liver oil lies in its vitamins. It follows, therefore, that the higher the vitamin potency the smaller is the dose that need be taken and the greater the value per ounce to the consumer. Ordinary Newfoundland cod-liver oil is admitted to be of higher vitamin potency than Norwegian, and the Newfoundland Government's statement puts this at double. But Newfoundland also produces some cod-liver oil of a far higher vitamin potency. Samples tested in this country have shown as high as 60 blue units for a 20 per cent. dilution. By using Newfoundland cod-liver oil of exceptionally high vitamin potency, for which we pay the Newfoundland producer more than the usual Newfoundland market price, we are able to offer a cod-liver oil the correct dose of which is less than half that of Norwegian cod-liver oil. The consumer, therefore, gets quite as good value for his money as he does by buying Norwegian oil at half the price. Moreover, as few people find the taste of any cod-liver oil agreeable, the smaller dose is an added advantage. There is one other point. Our cod-liver oil is sold under a trade name, and your correspondent compares our prices with those of unbranded Norwegian cod-liver oil. Would it not be fairer to compare them with the prices of branded Norwegian cod-liver oil, for some of which as much as rs. 3d. per 4-oz. bottle is asked?

Yours faithfully, Per Pro J. L. Bragg, Ltd., M. Thunder, Managing Director.

London, N.II.

The Value of a Code System

SIR,—A burglary took place at our premises in the early hours of August 6. The bulk of the goods stolen consisted of eleven quick-selling, nationally advertised proprietary medicines. We at once advised all the manufacturers, asking for details of any cypher numbers on the packages in order to report to the P.A.T.A. With one exception the cypher numbers were entirely missing, or, alternatively, the same cypher

number had been used for supplies sent to other whole-salers. The only exception was Aspro. We telephoned them at 10 a.m. on August 6, informing them of our loss, and they were able to give us on the 'phone a complete list of cypher numbers, all of which had been exclusively used on our goods. That information was confirmed by them in writing and reached us the was confirmed by them in writing, and reached us the same day. They at once advised their London district organiser of our loss, with instructions that their representatives should on August 11 proceed to make test purchases from all well-known price cutters and any other retailers who in the past had been suspected of handling stolen goods. In the meantime, the P.A.T.A. had not been idle, and their representatives were also busy making test purchases, and were successful in other inner the control of the co cessful in obtaining packages of Aspro bearing the cypher numbers which formed part of the stolen goods. All this information was handed over to the police, who quickly traced the supplies from one person to another, with the result that on November 2 a main was convicted at the Old Bailey for being in possession of the Aspro stolen from us. During the preliminary hearing at the Marylebone Police Court much valuable information with regard to price-cutters' activities and the source of their supplies was brought to light. This case involved us in considerable loss of time and money, but we are amply repaid if other manufacturers can be induced to follow the example of Messrs. Aspro. We take our hats off to our friends at Slough.

Yours, etc.,
THE ALLIED DRUG & CHEMICAL CO. London, N.W.I.

Agencies in Central Africa

Sir,—The firm of which I happen to be a member is one which at all times has discouraged the policy of substitution in any shape or form. We have always maintained that unless a customer asks for an opinion as to the relative merits of the advertised as against the unadvertised article that it is waste of valuable time and energy to endeavour to persuade him to take the article which may be of more interest to us personally. clever salesman can easily persuade a customer to pur-chase an article for which he did not inquire, but he cannot force him to return for a second dose if, when he uses that article, he feels that the article for which he inquired in the first place would have been more satisfactory. For many years our London buyers were able to place orders for every item on our weekly indent without the slightest difficulty, and we were able to rely on receiving those goods in due course. About ten years ago this state began to change, and we found that our agents were unable to place orders for the reason that Messrs. Blank & Co., Blanktown, had been appointed distributing agents for South Africa, and that we must in future draw our supplies from them. firm appointed is usually situated 500 to 1,500 miles away by rail, in a town and in a country under a different administration, and at the moment com-mercially working under a different currency. In addition to this the customs tariffs are different, which, where bond stocks are not available, frequently necessitates an increase in the price to the consumer. order has gone to Messrs. Blank & Co., and in many cases their reply has been to the effect that they are expecting stocks shortly, or that they have sold out and that a further shipment is due to arrive. Usually we have heard that Messrs. Dash & Co., of our town, have been appointed sub-agents, and inquiry from them has brought forth the information that they are awaiting the receipt of stocks from Messrs. Blank & Co. In the end we find ourselves patiently waiting for stocks which normally would have been on sale and probably re-ordered again. In the meantime our customers are

asking for the goods which are being advertised and which we are unable to obtain. In such a situation the only logical procedure is to explain the reason for the lack of stock and to introduce those lines which are of a similar character. It has been so easy when we knew that our competitors were in the same boat so far as stocks of the advertised line were concerned. In addition to this the man in the street appreciates the difference in the consumer-price of an article bought from the manufacturer and sold by the retailer, and that which has passed through the hands of manufacturer, agent, sub-agent, wholesaler and retailer. We do not wish to throw blame upon the agent or the sub-agent, for we realise that they start off with a handicap that is very To give you a little idea of the handicap, chemists' proprietaries and toilet goods are handled by agents whose principal business is the sale of the following commodities—whisky, motor tyres, barbed wire, flour, stationery and steel. Let me give you one instance from to-day when we have been informed by one firm that they are no longer carrying stocks of a well-known children's sedative syrup for internal use as they carry stocks of another soothing syrup, which, by the way, is used as a local application to the gums when teething; and yet another instance also from to-day—an expression of regret that no stocks are available of a liver pill which is known throughout the world. We would welcome agents or sub-agents for the purposes of propaganda, but when it comes to the question of stock, Mr. Manufacturer, please remember that we retailers have our fingers on the pulse of public taste and demand, and that when we ask you for stock we know what we want from you and, better still, we know that if you cannot supply us no one else can. In conclusion I would ask the British manufacturer a plain question: "What is the use of spending thousands of pounds in good adver-tising if the retailer is unable to secure the supplies to meet the demand that has been created by that expenditure? "-Yours faithfully,

WAITING FOR STOCK (8/11).

The N.H.I. Testing Scheme

SIR,—With reference to N.H.I. testing, about which one of your correspondents expresses indignation, it should be remembered that there has been, unfortunately, a number of cases in which the requirements of the law have not been carried out by chemists. Business cannot be pursued on the lines of absolute trust in one's fellows. There are people whose consciences do not dictate, and it is for such people that laws are made. Chemists of integrity have no cause for worry, for, with a little tact, the most bumptious official can be calmed down. Yours faithfully, E. C. CHRISTIE.

Ryde.

The New British Pharmacopæia

SIR,—I am of mature age, and have imbibed, more or less, but never digested, the "Bibles" of 1885, 1898, 1914 and now 1932. I seriously studied during a four years' apprenticeship the 1885 B.P. I not only knew it, but I understood it. When the time came for the final spurt for the "Minor" up popped 1898. I not only had to forget a good deal of what I had bearned but I had to learn something out the learned, but I had to learn something entirely different, but equally useless. The 1898 "Bible" swept clean 182 items of "the medicine business" without any explanation, and without any apology for ever having included them. The same thing happened when 1914 popped up its puerile head; 160 items went west and still no apology. And now 1932 has introduced itself with 357 items discarded. Add them together and you will find that they come to the impudent total of 699. Think of it—699 once "swear bys" now sworn at; and deservedly so. Another comical fact emerges in comparing 1932 with 1914. The pages of the latter were scrupulously clean. What is the inference? The information conveyed had never been needed. The new B.P. will not cause me to alter the formula of one of my own preparations for the common ills of life. They work. I doubt if it will cause one chemist, i.e., average chemist and druggist, to alter his formulas. Alter them? I'm going to retain some of the discards. I'm not in the least impressed with the titles of the General Council. They seem to me to be too highbrow, too conventional, too far removed from the every-day practices of the chemist and druggist, who, after all, is less bound by convention than the average doctor. I offered the Review Committee a bit of advice myself. They quite cheerfully ignored it
—"Not at home, James," sort of style. If it is considered desirable for doctors to indicate doses for suppositories, it is logical to assume equal desirability for doctors to indicate the particular dose of any drug they wish to administer, and not only the dose, but the particular combination of drugs they wish to administer. Yet we have the astounding fact that in by far the greater prescribing done by doctors—N.H.I. —all the formulas for all the common ills are specifically set out for them, dose and all; and, as we know, the average N.H.I. prescribing is automatic. When I note the research work demanded by the Commission I am amazed; but it leaves me cold, except that dealing with the question of how much acomite will kill mice Acomite? I should have to scout round to find some; and I note that tr. aconiti is not included in the new "Bible," so why go to the bestiality of killing poor little mice for no useful purpose? If my cat could understand all my English, she'd laugh. She's got the Commission stone cold at mice catching and killing. Another thing that arouses my derision is the use of the term "approximate" in comparing domestic measures (spoons) with pharmaceutical measures. As my tablespoons hold eight drachms, the term "approximate" is an outrage compared with a 100 per cent. difference. Comment is made that the apothecaries' sign for oz. is used to represent 437.5 grains. When? I have never come across it in forty years; and if it is so used it merely indicates stupidity or ignorance on the part of the user. Proceeding casually through the new B.P., I wonder how many manufacturers will boil acetum scillæ? And why bother with distilled aromatic waters when a solution of distilled oil in distilled water works equally well? Dear old Jateorizha palmata. What on earth is it in for? Having made a few tons of conf. sennæ, and generally complimented on it, I wonder my suggestion of a slight addition was not accepted. When added, conf. sennæ never gets "rubbery." I hope I am not expected to buy an extended series of metric weights and measures. That would annoy me when I think of the approximate spoon. Who's got an auto-clave? I note that dear old "jollop" is still in favour. We are modern. My opinion of the liniments is that they are a pathetic lot. What worse could be is that they are a pathetic lot. What worse could be said? Regarding the iodine preparations, I am tempted to ask this conundrum: "When is a tincture not a tincture?" The answer is "When it is called a liquor"—but why this pedantry? I foresee trouble with the majesty of the law, and more so with my customer if I get asked for ipecacuanha wine, and I give tincture, and label it tincture. Why on earth could not oxy, scille be made from acet, scille like could not oxy. scillæ be made from acet. scillæ like the syrup? I bet it will be, all the same. Is there progress in just being different? I did ask one chemist what was meant by PH. value. He replied that he thought it was an abbreviation of "Phut." All these wonderful tests to prove adulteration, all this wonderful production and accuracy, finally to give the wonderful production and accuracy, finally to give the patient the wrong dose, disguised under the term "approximation." Marvellous, I am profoundly sorry for the poor students who will need to absorb all this junk—especially when the average student will never need a fractional part of the information. I am also sorry for the manufacturers who will have to do the donkey work. I'm glad now that I'm back in the "retail." Finally, I've just had a bottle presented me bearing this cryptic label: "Eucalyptus Oil (Drug and Fancy Dealer)." Could anything be more damning?

Yours, etc.,

GEORGE F. CORRALL.

Enfield Wash.

Dispensing Notes and Difficulties

A Difficult Prescription

SIR,—A lady called the other day with the following prescription. The dose was a tablespoonful, and the doctor had informed her that it was difficult to make up. Could you give me a satisfactory method of dispensing this?

Phenolphthaleini ... 5ij. Syr. ferri phosphatis co. ... 5j. Paraffin. (liquid) ... ad 5viij.

Yours faithfully, G. W. R. M. (13/8).

[The do for was right. It is impossible to make this up without some addition. It cannot be shaken up, and the sides of the bottle present a deplorable picture. Equal quantities of syrup and oil can be shaken up fairly well, but this small quantity presents considerable difficulty. Acacia and tragacanth have been tried without success—the phosphoric acid prevents the usual emulsifying effect. A reasonable mixture can be made as follows:—Mix the phenolphthalein with pulv amyli 4 drachms, add the syr, ferri phosphatis co.; and mix well. Finally add the liquid paraffin. Use a ten-ounce bottle to enable the patient to shake it well. Label it "Shake the bottle." This is equivalent to using pulv. tragacanthae co. in a mixture with an insoluble powder, and is perfectly legitimate.]

Mist. Phenazoni Co., N.F.

Sir,—Can you tell me how to prevent mist. phenazoni co., N.F., from depositing on standing?

 Phenazoni
 ... gr. v.

 Potass. brom.
 ... gr. viiss.

 Sodii salicyl.
 ... gr. v.

 Spt. amm. arom.
 ... m. x.

 Aq.
 ... ad 5ss.

Yours faithfully, BRUM (3/3).

[There is no decomposition here, and we cannot see what would deposit on the sides of the bottle. The mixture becomes the colour of brandy, owing to the oxidation of the sodium salicylate in the presence of ammonia, but this does not deposit in fourteen days. Distilled water should always be used when spt. amm. arom. is dispensed.]

Legal Queries

A B, T. (15/10).—Since you are the registered superintendent of the drug department you are the actual seller of the poison and, consequently, your name and address must appear on all labels affixed to articles coming within the Poison Schedules.

I. M. W. L. (31/10).—Diacetylmorphine and its salts, as well as all preparations containing diacetylmorphine, in any proportion whatsoever, are included within the scope of the Dangerous Drugs Acts, with the exception of the five exempted preparations (C. & D., February 21, 1931, p. 201).

R. S. M. (3/10).—There is no statute dealing with cod-liver oil and malt extract. Decisions in the High Court are, however, as binding as statutes so far as the question you raise is concerned. If you sell a substance as extract of malt with cod-liver oil, the Courts will accept the B.P. standard as prima facie evidence of what it should be, and, if your preparation does not correspond with the B.P. requirements, the onus of proving that there is a standard for the article other than that of the B.P. will be on you in case of a prosecution. The use of the title "Malt & Cod-Liver Oil" would bring the preparation dangerously near the B.P. description, as it would be very difficult to explain the word "malt" as meaning anything but extract of malt.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

K. H. W. (5/58).—Asthma cigarettes.—These cigarettes usually consist of stramonium treated with a small amount of potassium nitrate. In some cases other herbs; which also form the constituents of asthma powders, are included, such as grindelia, belladonna and hyoscyamus. The following formula may prove useful:—

Belladonna leaves . . . 5.5 Hyoseyamus leaves . . 2.75 Stramonium leaves . . 2.75 Phellandicum aquaticum . 1.0 Potassium nitrate

Cherry laurel water .. of each a sufficiency.

J. C. (18/38).—SMOKE SCREENS.—Possibly one of the following formulas will meet your requirements:—No. I was used during the war by the Navy and the Army; No. 2 is stated to be employed by a fire brigade for training purposes:—

I II Pitch 4 parts
Carbon tetrachloride 4 parts
Scd.um chloride 1 parts
Ammonium chloride 7.0
Magnesium carbonate 2 parts

J. H. S. (29/3).—POWDER FOR SEALING RADIATOR LEAKS.—This contains a large proportion of aluminium metal, a fair quantity of starch and some soap, which may be a mixture of hard-and soft. The sample was rather small for a comprehensive analysis.

Timber (24/108).—Wood for manicure sticks.—The woods used for making manicure sticks include orange (Citrus), Venezuelan boxwood (Casearia pracox), black gum (Nyssa sylvatica) and Luonymus. The last-named can be recognised by its spiral fibre-tracheids, in association with narrow rays and simple vessel perforations, the last two features serving to differentiate it from Ilex.

K. B. R. (28/32).—CHENOPODIUM OIL FOR POULTRY.
—One method of treatment of worms in chickens with chenopodium oil is to mix it with a moist mash at the rate of one teaspoonful of the oil for every twelve birds. In our opinion there is a certain amount of risk in dosing chickens with this drug and the above dose should not be exceeded. A safer way of treating the birds would be to dose them individually with 2 to 3 minims of chenopodium oil in 2 c.c. of castor oil enclosed in a gelatin capsule. Chenopodium oil is used against roundworms for which other forms of treatment are tobacco (or nicotine sulphate) and carbon tetrachloride.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," November 15, 1882

: A Rare Event

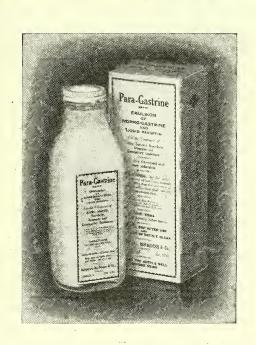
We understand that two or three of the "advanced" section of the Pharmaceutical Council are thinking of getting up a meeting of chemists and druggists of London and the suburbs with the view of discussing a few subjects of interest, such as the curriculum, the chance of obtaining a new Pharmacy Bill, the stores, and other topics. What definite object it is expected to attain is not quite clear . . we do not hear that any new method of attack is to be proposed. All the same, a conference of the kind suggested would be useful enough in promoting union and clear views.

Something NEW!!! Para-Gastrine

(ALUMINIUM SILICATE and PARAFFIN LIQUID.)

Antacid and INTESTINAL LUBRICANT

40z., 80z. & 160z. Bottles



IMMEDIATELY

Removes the discomforts of Acidity, Flatulence, Heartburn, Gastritis, Dyspepsia, and Constipatory tendencies.

DESCRIPTIVE LITERATURE AVAILABLE.

London E.6.

BURGOYNE, Est. 1741

Manufacturing Chemists



Immaculately rmaceutical

manufactured

The NEWCASTLE-UPON-TYNE ZINC OXIDE CO. Limited BIRTLEY, COUNTY DURHAM

All enquiries to our Sales Office:-

RALPH NYE, BIDDLE & CO. Boston House, 63/4 New Broad St., E.C.2

Telephone: LONDON WALL 2754 (3 lines)

Telegrams: "NYLEDOXYD, Phone, London,"

WE SPECIALIZE IN THE MANUFACTURE OF GALLIC AGID - PYROGALLIC AG PURE & TECHNICAL RESUBLIMED, PURE CRYSTAL & TECHN WHOLESALE & EXPORT ONLY. Enquiries Invited. J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ES TELEPHONE: GRANGEWOOD 0076. TELEGRAMS: "GALLIC, BARKING,"

RESUBLIMED, PURE CRYSTAL & TECHNICAL

ABBEY ROAD, BARKING, ESSEX.

14 SEETHING LANE, GT. TOWER ST.

LONDON, E.C.3

Send your Enquiries to the

Sole Importing Buyers for the World

of minas de almaden, madrid. Monte amiata, s.a.m. rome R. MINIERA DI IDRIA, TRIESTE. STABILIMENTO MINERARIO Del SIELE, LEGHORN SOCIETA MERCURIFERA ITALIANA, ROME



Johnsons
of Hendon

MANUFACTURERS OF THE



"SCALES BRAND"

PHARMACEUTICAL CHEMICALS
GALENICALS

AND PACKED DRUGS. EMULSIONS, DECOCTIONS, LIQUID EXTRACTS, OINTMENTS, INFUSIONS, TINCTURES, LINIMENTS, SYRUPS

Manufactured under ideal conditions, modern methods and strict analytical control.

JOHNSON & SONS Manufacturing Chemists LTD., HENDON, LONDON, N.W.4

"VAPOFORM" Disinfectant

Regd.

For disinfection of Rooms, Confined Spaces, &c.

for HOME and HOSPITAL Has no injurious effects whatever on Furniture, Utensils, &c.

Small size, capable of disinfecting 1000 to 2000 cubic ft., 8/6 per doz.

Large size, capable of disinfecting 3000 to 6000 cubic ft., 13/- per doz.

Sole Proprietors-

HARKNESS, BEAUMONT & CO., LTD.
Wholesale Chemists, EDINBURGH.

HOPKIN & WILLIAMS

16 & 17 Cross Street, Hatton Garden, E.C.1

"ANALYTICAL REAGENTS STANDARDS AND TESTS"

THIS WELL-KNOWN BOOK HAS BEEN COM-PLETELY RE-WRITTEN AND BROUGHT UP TO DATE BY THE INCLUSION OF SUBSTANCES EMPLOYED IN MODERN ANALYTICAL PRACTICE.

Post free 2s. 6d.

A&M. ZIMMERMANN Petri Bros. Ltd. Proprietors

CHEMICALS Pharmaceutical Technical

Chlorophyll All

Grades

LIVER OIL Medicinal and Cattle

COD

Marseilles Soap

3 LLOYDS AVENUE LONDON. E.C.3

Sole Agents in Great Britain for S. Salmona & Figlio, Catania

MANUFACTURERS OF

LIQUORICE

BLOCK JUICE & POWDER

"TOSCA" BRAND STICKS
ALL SIZES

SAMPLES & PRICES ON APPLICATION

EVANS, GADD & CO., LTD.

Wholesale & Manufacturing Chemists

BRISTOL and EXETER.

Telephone: Bristol 20358, 20359. ,, Exeter 2278, 2279. Telegrams: Gadd, Bristol. ,, Gadd, Exeter.

LARGE STOCKS.

DRUGS, GALENICALS, PATENT

MEDICINES,

QUICK DESPATCH.

PROPRIETARY ARTICLES, SURGICAL DRESSINGS, VETERINARY MEDICINES, ETC.

May we quote you for— GLAUBER SALTS B.P.

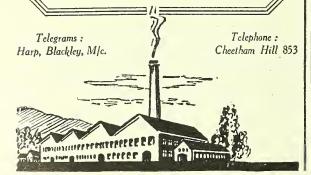
Pea Crystal and Feathery

EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated
All grades conform to the new 1932 B.P. Standard
Special Crystals matched and any degree of exsiccation
to order. Packed for Home and Export.

LIQUOR FERRI PERCHLOR FORT. B.P. HARRIS, HART & Co. Ltd.

MOSS HOUSE CHEMICAL WORKS, BLACKLEY, MANCHESTER.



DISCRIMINATING PHARMACIST

WESSANENS
PRIME CACAO BUTTER

It is unequalled for the preparation of suppositories, pessaries, bougies, emollient ointments, etc.

Being free from adulterants and having a low melting point it can be relied on for all pharmaceutical purposes.

:: KEENLY COMPETITIVE IN PRICE :: ::

Your usual wholesaler can supply or you can get direct quotations from

A. PRESCOTT

12 Broom Lane, Broughton Park, MANCHESTER

GARFIELD TEA

FOR CONSTIPATION

PROMPT SHIPMENT

ALL SIZES

'Phone or Write:

GARFIELD TEA CO.

44 Foxbourne Road

BALHAM, LONDON, S.W.17



ALOID Opium Derivatives Fine Chemicals

Aloin · Atropine · Bismuth Salts · Caffeine Cantharidin · Capsicin · Chloroform · Chrysarobin_ Codeine · Diamorphine · Emp. Canth. Liq. · Ephedrine_ Ergotin · Eserine · Ethylmorphine · Gingerine____ Goods covered by Dangerous Hyoscyamine · Jalap Resin · Leptandrin_____ Drugs Acts offered subject Morphine · Opium · Podophyllin Resin_____ to all regulations. Salicin · Santonin · Scammony Resin____ Strychnine · Veratrine and other_ Pharmaceutical Chemicals and Preparations_

EH.SMITH ta

Blandfield Works Edinburgh

25 Christopher Street, London, E.C.2

32-34 Virginia St. Glasgow



CINCHONINE CINCHONIDINE

Sugar-coated Quinine Tablets and Pills,

and

ALTS

Gelatine-coated Oval Pills.

BANDOENG JAVA

BANDOENG QUININE

FACTORIES

AMSTERDAM De Wittenkade 48-50.

Telegrams; "Kininetabriek Bandoeng."

Samples, prices and particulars on application.

Telegrams: "Semadmy Amsterdam."

анания иниципация иниципация иниципация иниципация иниципация иниципация иниципация иниципация иниципация ини

BURNSIDE'S AUSTRALIAN EUCALYPT

(Shipped by W. K. BURNSIDE PTY., LTD., 34/36 JEFFCOTT STREET, MELBOURNE)

ALL B.P. GRADES

70/75 % B.P. A specially rectified Oil of high and very uniform Quality

Packed in Cases and Drums STOCKS IN LONDON

808/5 % B.P. Distilled from E. POLYBRACHTEA The finest B.P. Oil obtainable All Grades can be relied upon to be Constant in Quality, Odour and Colour

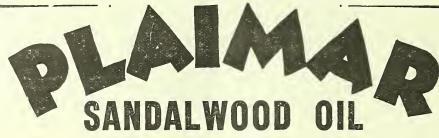
15 PHILPOT LANE

AGENTS FOR U.K. WILSON & MANSFIELD 'Phone: ROYAL 4561/3 'Grams: WYFIELD, LONDON

WHOLESA'LE ONLY

LONDON, E.C.3

0



Official in the French Codex

PLAIMAR LTD., PERTH, W.A. DISTILLED

MAXWELL, PLAISTOWE & Co. Limited European Agents

22a College Hill, Cannon Street, London, E.C.4

Telephone: Central 5859. Telegrams and Cables: Azucena, London. Codes: A B C, 5th & 6th editions, and Bentley's.

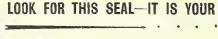
> BEFORE OPENING

THE REGISTERED TRADE MARKOF PLAIMAR LE ISA GUARANTEE

OF THE PURITY OF THE CONTENTS OF THIS CONTAINER

GUARANTEE OF QUALITY

Paris Address: Etbs., Plaistowe, 11 bis, Rue Volney Berlin Address: Leopold Laserson, Alte Jacobstrasse 20/22





Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99.9 PER CENT.

of pure oxide; in fact, the impurities are not

Thos. Hubbuck & Son, Ltd. ESTABLISHED 1765

24 Lime Street, London, E.C.3 MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen Street, Melbourne.

Sold by the following Wholesalz Druggists in Boxes of 7 lb. and 14 lb. stamped by the Manufacturers: also in 1-lb. Boxes and 1-lb. Glass Bottles:

Dakin Brothers
Duncan, Flockhart & Co.
Evans, Gadd & Co., Ltd.
Evans Sons Lescher & Webb,
Evans Sons Lescher & Webb,
Ferris & Co.
Gale & Co.
Glasgow New Apothecaries
Goodal Technique

Co Goodall, Backhouse & Co. C. R. Harker, Stagg & Morgan, Ltd. Harkness, Beaumont & Co., Ltd. Hatrick, W. R., & Co. Hirst, Brooke & Hirst

Southall Bros. & Barclay,
Ltd.
Sumner, R., & Co.
Taylor, Jas. (Trongate), Ltd.
Thompson, John, Ltd.
Wilkinson & Simpson, Ltd.
Wilkinson & Simpson, Ltd.
Wilkinson & Simpson, Ltd.
Woolley, Jas., Sons & Co.,
Ltd.
Wright, Layman & Umney,
Ltd.
Wyleys (Lim.)

Barry, E. J., New York
Finlay Dicks & Co., New
Orleans
E. Fougera & Co.,
90-92, Beckman Street,
New York
Chas. L. Huisking & Co., Inc.,
155, Varick St., New York
Lehn & Fink, Inc., N. York
McKeeson & Robbins, Inc.,
New York

Muth Brothers & Co., Balti-

Muth Brothers & Co., Balti-more
Palmers, Ltd., Montreal
S. B. Penick & Co., Inc., New York.
Roller & Shoemaker, Phila-delphia
Schieffelin & Co., Inc., New York.
Shoemaker & Busch. Phila-

Shoemaker & Busch, Philadelphia

BOOTS PRODUCTS IN MODERN THERAPY

ACRIFLAVINE—BOOTS

One of the most potent of modern antiseptics, physiologically pure and extremely soluble in water, ACRIFLAVINE (BOOTS) kills organisms in a concentration of 1 in 100,000.

BISMOSTAB—BOOTS

A suspension of specially prepared, finely divided, pure Bismuth metal in 5% Glucose solution is non-irritant, highly concentrated, sterile and ready for use.

CHLORAMINE-T—(BOOTS)

CHLOROFORM—(BOOTS)

EPHEDRINE COMPOUND (BOOTS)

GONOCOCCUS VACCINES (BOOTS)

HEXYL-RESORCINOL (BOOTS)

INSULIN—(BOOTS)

LIVER EXTRACT—(BOOTS)

MEDICINAL GLUCOSE (BOOTS)

PITUITARY EXTRACT (BOOTS)

QUINANIL—(BOOTS)

REINFORCED COD LIVER OIL—(BOOTS)

SULPHOSTAB ORARSAN

STABILARSAN VIULES

CHOLUMBRIN THIOSTAB

ANTI-PNEUMOCOCCUS

SERUM-LEDERLE

(FELTON'S SERUM)

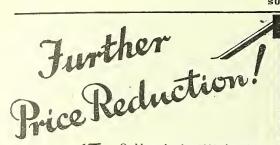
BOOTS PURE DRUG CO., LTD.

Manufacturing Chemists and Makers of Fine Chemicals

NOTTINGHAM

TELEPHONE : NOTTINGHAM 45501 **ENGLAND**

TELEGRAMS: "DRUG, NOTTINGHAM"



On November 1st, 1932, the prices of all Pyridium products were further reduced as under:—

NEW PYRIDIUM PRICES

	Retail Price	Trade Price Per Dozen
Tablets (0.1 Gm.),		•
Bottles of 25	4/9	42/9
Tablets (0.1 Gm.).	-	
Tubes of 12	2/6	22/6
Solution (1%), 100 c.c.	3/3	29/3
Powder, 5 Gm. Bottles	9/6	85/6
Ointment (10%),		
25 Gm. Jars	5/3	47/3

PYRIDIUM

Members of the Medical Profession have been suitably advised and will now expect their prescriptions to be filled at these further reduced prices.

MENLEY & JAMES, LTD. 64 HATTON GARDEN, LONDON, E.C.1

SOUTH AFRICA

is steadily becoming a manufacturing country. The high tariff, just increased, fosters local industries and stresses the necessity for overseas Houses with important South African trade to explore the probable advantage of local manufacture. We already produce in South Africa for British and American proprietors many important Medicines and Toilet articles and have ample facilities at our Port Elizabeth Factory for more work. We can also distribute with maximum efficiency.

LENNON LIMITED

Head Office, CAPE TOWN

Branches throughout South Africa.

London Office, 12/14 Lafone St., London, S.E.1



BRADY & MARTIN, LIMITED

Manufacturers of

GALENICALS, MILLEDOINTMENTS, CAPSULES, PILLS, TABLETS, MALT EXTRACTS &c.

For fuller particulars consult page *53

THE CHEMIST & DRUGGIST DIARY, 1932

NORTHUMBERLAND ROAD, NEWCASTLE-ON-TYNE 2



DUTCH DROPS

The Original HAARLEM OIL

Also in Capsule Form.

We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain and South America.

BROOK, PARKER & CO., LTD., BRADFORD

PHOSPHATE OF SODA, Pure

For Food Purposes
ASK FOR SAMPLE AND PRICES

PERRY & HOPE, LTD.

Forth and Clyde Chemical Works, NITSHILL.

Telephone: Gifinock 414 (2 lines). Telegrams: "Perryope, Nitshill."

Chemische Fabrik

JOH. A. BENCKISER, G.m.b.H., LUDWIGSHAFEN - ON - RHINE

TARTARIC ACID CRYSTALS and GRANULATED

GUARANTEED IN STRICT ACCORDANCE WITH B.P.'14

ACID PYROPHOSPHATE OF SODA

Quality in all respects equal to Cream of Tartar, especially as regards stability of Baking Powder



LOZENGES PASTILLES TABLETS

LICORICE & MENTHOL PELLETS

ERNEST JACKSON & CO LTD

CREDITON DEVON

Telephone: Crediton 10.

Telegrams: Jackson, Crediton

London Office: Plantain Place, Crosby Row, Boro, S.E.1.

Telephone: Hop 2668

WORLD'S FINEST THROAT PASTILLES

NOW IN AIRTIGHT TINS!

6d. and 3d.

In big demand.



RECOGNISED BY MANY DOCTORS AS THE

BEST REMEDY for

RHEUMATOID ARTHRITIS. OSTEO-ARTHRITIS, LUMBAGO. SCIATICA, NEURITIS. RHEUMATISM.

Liberal Terms: Write for full particulars to:

Distributors: STAPLETON & SON, Yew Tree Rd., SOUTHBOROUGH, Kent.

Rep. in Ireland: R. I. VINT, 6 Elgin Rd., Dublin

BLACKWELL HAYES & CO. LTD.

for 50 years

Specialists in

FLAVOURS

FRUIT ESSENCES AND HARMLESS COLOURS

Bulk or packed

All products guaranteed to conform to the Food and Drugs Acts

MOOR ST. & ALBERT ST. BIRMINGHAM



Robert Ferber Ltd

incorporating

JULES DENOUAL & CO.

Manufacturers of

Gum Pastilles

In 4 lb. Free Tins. rodyne .. 2/6 lb.

מינון דיינון דיינן דיינן

Aniseed, Honey and Chlorodyne	2/6	lb.
Antiseptic (Licorice, Terebene,		
Menthol, Eucalyptol, Wintergreen,		
Thyme, Pine Oil and Glycerine)	2/6	11
Black Currant	2/6	,,
Breathe Easy	0/0	
Catarrh	2/6	"
Compound Glycerine of Thymol	2/6	"
Eucalyptus Oil	2/6	,,
	2/6	"
Glycerine	_'	
Glycerine and Black Current	2/6	,,
Glycerine, Honey and Lemon		,,
Glycerine and Paregoric	2/6	,,
Iodized Catarrh	3/0	,,
Menthol	2/6	**
Menthol and Eucalyptus		
Pine Oil, Menthol and Eucalyptus		
Pynoline (Menthol, Cajuput, Creosote		"
and Terebene)	4/0	9.9

Packed Gum Pastilles

2 oz. tins, 5/6 per doz. 4 oz. tins, 10/0 per doz.

Gelabase Pastilles

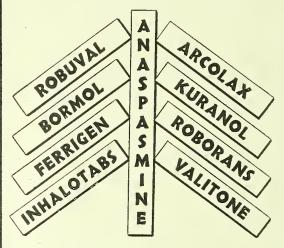
In 4 lb. Free Tins.

Assorted Fruits		1/8 lb.
Black Current and Glycerine		1/8 ,,
Catarrh		1/8 ,,
Cherry, Chest and Lung		
Compound Glycerine of Thymol		
Glycerine, Honey and Lemon		, , , ,
Lemon Squash Cubes		1/8 ,,
Licorice and Black Current		1/8 ,,
Lime Juice and Sulphur	• •	
Phosph. Orange Tonic	• •	1/8 ,,
Vitamin Malt	• •	1/8 ,,

2 oz. tins, 4/6 per doz. 4 oz. tins, 8/0 per doz.

Carlton Works, Asylum Rd. LONDON, S.E.15

PRESCRIBED LINES



Manufactured and Advertised to the Medical Profession by

ROBERTS and CO.

Pharmaciens to H.M. The King

76 New Bond Street, London, W.I

and at Paris

Phone: Mayfair 4173

'Groms: Poriland, Landon



The greatly improved TABLET

RIDEAL-WALKER COEFFICIENT "43"

NEW PRICES

Bottles	100	-	-	6/6	each
9.9	500	-	-	28/-	"
,,	1000	-	-	52/-	,,

1 lb. tins DIMOL OINTMENT now 10/- EACH

Distributing Agents :-

SANGERS, LTD.
258 EUSTON ROAD, LONDON, N.W.I
DIMOL LABORATORIES, LTD.
40 LUDGATE HILL, E.C.4





THE TRUE TONIC FOOD

PERSONAL and medical recommendation, many years of well-conceived advertising and fulfilment of all claims made for them, have made these Genatosan lines deservedly famous.

THESE are products on which your really paying customers insist. There is a large percentage of profit in them for you—and particularly if you buy on direct cash terms.*



If you have not yet taken advantage of these special terms, may we suggest that you write to us for full particulars which will be forwarded to you by return.

GENATOSAN

LIMITED

LOUGHBOROUGH,

LEICESTERSHIRE.

Telephone: Loughborough 292.

Telegrams: "Genatosan, Loughborough."

LACTOBYL

A biological product containing:-

(1) BILIARY SALTS
(2) INTESTINAL ENZYMES which relieve bowel indigestion.

(3) LACTIC FERMENTS which retard putrefaction.

(4) ACTIVATED CHARCOAL which absorbs and fixes toxins in the alimentary canal.

(5) EXTRACT LAM. FLEX. which hydrates the intestinal content and increases peristalsis.



ONSTIPATION

CONTINENTAL LABORATORIES, Ltd.

30 Marsham Street, London, S.W.1

"Taxolabs, Sowest, London."

Victoria 2041.

BRAIN SPARKLERS

Shadforth Prescription No. 470, "BRAIN SPARKLERS"—the wonderful Brain Tonic Tablets—make you brighter in an hour and a new man in 2 days. Prices: 1/9 (25), 3/3 (50), 6/-(100) Every Chemist should hold one of each size in stock Obtainable from all Wholesalers, or—

Shadforth Prescription Service, Ltd. 63 GROVE ROAD, BOW, LONDON, E.3

SIEVES&GAUZES

TESTING SIEVES Single & in Sets

FINE MESHES UP TO 320

STEVENS & MANNING 1-3 DISNEY STREET, LONDON, S.E.1

HOP 3536

USIEVEIT-Boro-London

Antiphlogistine Brand Dressing

HUMAN & VETERINARY

Write for Special Quantity Terms

The Denver Chemical Mfg. Co., London, E.3

A PERMANENT 'ASPRO'DISPLAY



MEANS DOUBLE 'ASPRO' SALES

FOR OTHER LINES AS WELL

'ASPRO' is the most powerfully advertised line of its kind in the world. Over 300 papers, with a total circulation of more than 32,000,000 carry the 'ASPRO' message several times monthly into almost every home in the country. Display 'ASPRO' continuously in window and shop, and you will benefit from this enormous campaign just as though you paid for the advertisements yourself. Not only will your 'ASPRO' sales be doubled, but the display will bring new customers to your shop who will purchase other lines as well. This has been proved by many enterprising chemists. Write us to-day for our current window display and test it for yourself. You will see how quickly the public respond to the 'All-British' appeal of 'ASPRO.' There are also frequent changes of window stickers and giant cartons available.



Here is a typical 'ASPRO' window display attractively printed in full colour,

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

GOLLIN & CO., Pty., Ltd. ('Aspro' Dept.) SLOUGH, BUCKS.

Made by ASPRO LTD., SLOUGH, ENGLAND.

No proprietary right is claimed in the method of manufacture or the formula.



'ASPRO'IS ALL BRITISH



(REACHING OVER 8,000,000 READERS)

Dr. Gilley's

HERBAL LAXATIVE NOW IN FULL SWING



Obtainable of wholesalers at following prices:

1/3 size - 10/- doz. 2/6 ,, - 20/- ,, 5/- ,, - 40/- ,,

Special Display terms on application.

Wholesale and Export enquiries to

The Regent Chemists

34 OSNABURGH STREET LONDON, W.1

GILLEY'S LABORATORIES, Ltd. 5 NEW QUEBEC ST. - LONDON, W.1

Paraffinum Liquidum

ALL GRADES SAMPLES & PRICES

On application to -

STERNS

16 Finsbury Square London EC2

WHOLESALE ONLY

ESTABLISHED 793.

The Best and Safest Infants' Medicine of over 130 years' standing.



Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

for METHYLATED SPIRITS

PLEASE ASK FCR OUR PRICE LIST & PAMPHLET ON METHYLATED SPIRITS, ETC.. ALSO FOR OUR NEW BOOKLET "THE NEW WAY TO REMOVE CARBON."

The Methylating Co., Ltd. Kinnaird House Pall Mall East, London, S.W.1

Phone: Whitehall 6964 Wires: "Methcolim, Phone, (2 lines). London."

THOS. CHRISTY & CO.,
4/12 OLD SWAN LANE, LONDON, E.C.4



AND HALE WHITE AND OUTATIONS WHOLESALE ONLY)

B. P. WHITE & VEILOW PETROLEUM JELLIES

WHITE AND OUTATIONS WHOLESALE ONLY)

SEND FOR SAMPLES AND OUTATIONS WHOLESALE ONLY)

26 GROSVENOR CARDENS, CONCONSISTED

27 GROSVENOR CARDENS, CONCONSISTED

28 GROSVENOR CARDENS, CONCONSISTED

29 GROSVENOR CARDENS, CONCONSISTED

20 GROSVENOR CARDENS, CONCONSISTED

21 GROSVENOR CARDENS, CONCONSISTED

22 GROSVENOR CARDENS, CONCONSISTED

23 GROSVENOR CARDENS, CONCONSISTED

24 GROSVENOR CARDENS, CONCONSISTED

25 GROSVENOR CARDENS, CONCONSISTED

26 GROSVENOR CARDENS, CONCONSISTED

27 GROSVENOR CARDENS, CONCONSISTED

28 GROSVENOR CARDENS, CONCONSISTED

29 GROSVENOR CARDENS, CONCONSISTED

20 GROSVENOR CARDENS, CONCONSISTED

20 GROSVENOR CARDENS, CONCONSISTED

20 GROSVENOR CARDENS, CONCONSISTED

26 GROSVENOR CARDENS, CONCONSISTED

27 GROSVENOR CARDENS, CONCONSISTED

28 GROSVENOR CARDENS, CONCONSISTED

29 GROSVENOR CARDENS, CONCONSISTED

20 GROSVENOR CARDENS, CONCONSISTED

29 GROSVENOR CARDENS, CONCONSISTED

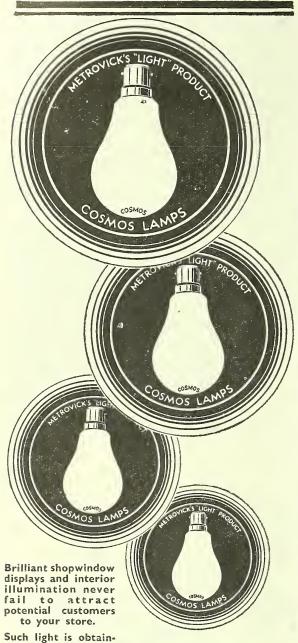
20 GROSVENOR CARDENS

20 GROSVENOR CARDENS

20 GROSVENOR CARDENS

20 GROSVENOR CARDENS

21 GROS

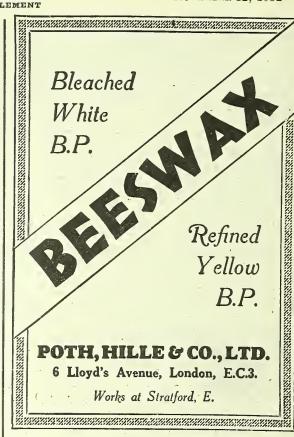


COSMOS

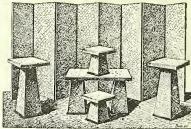
able with

METROVICK'S 'LIGHT' PRODUCT

METROPOLITAN-VICKERS ELECTRICAL CO., LTD.
TRAFFORD PARK MANCHESTER



Something New for Your Counter or Window Display.



DUDLEY & COMPANY LTD.
Holloway Road, London, N.7
City Showrooms - 65/65 Fore Street, E.C.

Dudley's Regal Display Set No. C.D.F. 5143

No. C.D.F. 5143
A unique set which is ideal for the display of Toilet Preparations, Perfumes, etc. It consists of I Folding Background, 5' 4" × 30" (in 2) pieces), together with 6 Artistic Pedestals, 2 14", 2 103", 2 65". Constructedthroughout of stout millboard covered in "Regal 22/6 grained"

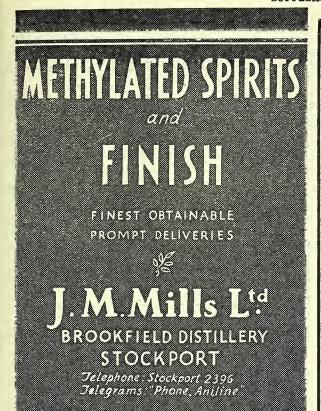
DISTILLED WATER in perfect condition

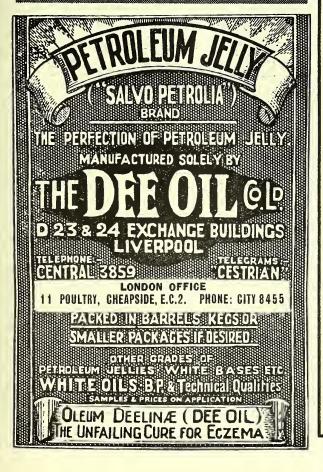
from our own stills. Supplies sent daily to Chemists in all parts. Immediate dispatch. We solicit your enquiries for dry-salteries generally. Obtain your supplies of Olive Oil, Camphorated Oil B.P. and Cotton Oil B.P.C. Grades from our large stocks.

FRANCIS F. FOX
AND COMPANY LIMITED
BRISTOL & BIRMINGHAM

Established over 100 years







LIQUID PARAFFIN

High Gravity and Viscosity, Non-Freezing, Tasteless and Odourless.

Also:—
PETROLEUM JELLY
White & Yellow
CASTOR OIL
COLZA OIL
COD LIVER OIL
Medicinal & Veterinary
LINSEED OIL
OLIVE OIL
Cream, Edible &
Pharmaceutical

ROSIN
TURPENTINE
WHITE OIL
Technical

LUBRICATING OILS

B.P. 1932.
All Qualities Guaranteed to Comply with Revised Specifications.

Enquiries Invited and Samples on Request.

JAMES ARNOTT & SONS

LIMITED

Arnoco House, Quayside NEWCASTLE-ON-TYNE





WE SUPPLY DECORATED TINS FOR PACKING OINTMENTS AND OTHER PRODUCTS. SAMPLES AND PRICES UPON REQUEST. CALDICOT, Nr. CHEPSTOW, Mon.

CALDICOT, Nr. CHEPSTOW, Mon.

Sales Campaign

A National appeal through the great daily newspapers :-

- To teach the public how to keep glasses clean in the most efficient way.
- To tell them that Clarocit is sold by Chemists everywhere.

Attractive Bakelite Display Stands, Counter Cards, and Interesting Sales Literature Cards, and Interesting supplied free on request.

Sole Distributors for the Pharmaceutical Trades :-

CHARLES JONES, RADFORD & Co. Ltd. 80 Coleman Street, London, E.C.2.



INVALUABLE FOR ADULIS, INVALIDS AND AGED, CONVALESCENTS, NURSING & EXPECTANT MOTHERS

Anver's is a good line and it's come to stay. A National Advertising Campaign is about to be launched and you should be ready.

HAVE YOU SENT YOUR ORDER?

If not, you should send a trial order at once. Anver's Food contains all the essential food factors—Vitamins "A," "B," "C," "D" and "E"—and is recommended by Doctors, Nurses and Child Welfare Experts. It is an all-the-year-round seller and has brought repeats wherever introduced.



Fixed prices 1/11 & 3/4. Shows 50% profit on cost. Sample tin sent free to any chemist, Wholesale enquiries invited.

These attractive 7-colour cut-out showcards and other display material free with initial orders. Order through your usual wholesaler or direct from

ANVER'S FOOD CO.
Sunshine Works,
Ward Street, Strangeways,
MANCHESTER

Phone: Blackfriars 4640 Grams: "Anvers, Manchester'

BUY BRITISH

The (National) British Government, Sept. 1931, said:

"In their expenditure it is hoped that everyone will be vigilant in making demands for BRITISH LABOUR AND PRODUCTS, so that we do not import one shilling's worth of goods more than is necessary."

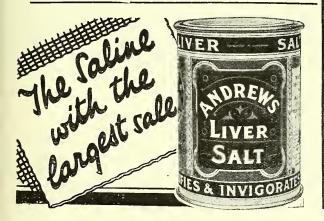
HARROGATE BRITISH AQUAPERIA

(Medicinal)

Try HARROGATE SPARKLING TABLE WATER 'FONTALIS' (slightly saline) with your Whisky

CAMWAL Ltd. Victory House, Swallow St., Piccadilly, W.1.

Tel.: GERRARD 5714-5



NOBBY'S EXTRACT

for easy home Brewing



makes 12 pints of real beer for 1/=

1/- size makes 12 pints. 2/6 size makes 32 pints. Light for making Beer and Dark for making Stout. Each tin is sold complete with the exact supply of Yeast. This is the line for rapid repeats and good profit.

NATIONALLY ADVERTISED. GOOD SHOW MATERIAL

Write now for trade terms

NOBBY'S PRODUCTS LIMITED

COUNTY BUILDINGS
4 CANNON ST., MANCHESTER

The firm with real brewing experience behind it

 $10 \times 8 \text{ in.}$ 17/-



The "Charlotte" HOT WATER BOTTLE COVER

2nd Quality. (Plush-tte) 8×6 in. 14/-12/- doz. 10×6 in. 15/-13/- ,,

Best Quality. (Velour)
12×8 in. 18/-2nd Quality (Plushette) 16/- doz. 18/9 " 12×10 in. 21/-To fit the moulded hot water bottle, size 11½"×8"

Velour 20/- doz. Plushette 17/- doz.

15/- ,, Supplied in pink, blue, peach and grey velour, and pink, blue and grey plushette.

Attractive Showcard, as illustrated, supplied free.

The ONLY SATISFACTORY Hot Water Bottle Cover on the Market INTRODUCED BY

C. J. HEWLETT & SON, Ltd., 35/42 Charlotte St., London, E.C.2

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

WORK. PRACTICAL Personal tuition in the practical work is a distinctive feature. Students can avail themselves of the practical classes held during examination times when they are in London.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worship-ful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.; or the College of Optics (F.C.O.)

Write for full particulars-

C.A. SCURR, M.P.S.,F.S.M.C.,F.B.O.A.,F.N.A.O.,B.Sc.,F.I.O.,F.C.O. 50 HIGH STREET, BARNET, LONDON, N.

One of

THE BIG-SIX SELLING LINES

HAND CLEANER

A SUPERFINE TOILET NECESSITY

Removes all GRIME, GREASE & STAINS without injury to the most delicate skin. Acts as an antiseptic, noninjurious to the nail cuticle, thoroughly cleanses the pores

In 2d. packets, 6d. and 9d. tins Trade price 16/-, 48/- and 72/- per gross, carriage paid SPECIAL TERMS FOR WINDOW DISPLAY WRITE FOR SAMPLE

THE T. P. COMPANY, 5/7 Kingsland Rd., E.2 Clerkenwell 8951.

Glassware Buy British

GRADUATED MEASURES-FUNNELS SPIRIT LAMPS—SUPER EYE BATHS— HYDROMETER JARS—TEST GLASSES— SEDIMENT GLASSES — CUPPING GLASSES—MORTARS AND PESTLES— SUCTION GLASSES—BLUE SYRUPS— ETHERS—CAPPED AND SPOUTED OILS -URINALS All Specials Made to Patterns.

FOLEY'S

9/10 Stock Orchard Street, Caledonian Road, Tel.: North 3203. London, N.7. EST. 1880. WHOLESALE AND EXPORT ONLY

NORVIC HO CRÉPE BANDAGES NORVIC Regd.

> CREPE BANDAGE

Order from your usual wholesaler, FULL 331% PROFIT Sole Manufacturers: Grout & Co. Ltd., 35 Wood St., London, E.C.2

AND BAKELITE SCREW



200 Varieties Any Colour.

A suitable Compo-sition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



WEBSTER & Co., Ltd. Mountoiew 0952 Diamine House, Middle Lane, Hornsey, LONDON, N.8



The ORIGINAL and Most Popular

The "K." All wool in knitted cover, very soft.

The "CELTEX." Made of Cellulose for easy disposal.

FROM YOUR WHOLESALE HOUSE, PLEASE



For the treatment of VARICOSE ULCERS VARICOSE VEINS and their complications

Flexoplast assists proper circulation, steadily reducing cedema and size of ulcer. Gives, in most cases, instant relief from pain.

Flexoplast allows full functional activity of the limbs. It does not cause irritation, dermatitis or eczema. It is easy to apply, and can be removed without discomfort.

Also useful on fractures and dislocations-and as a protective after abdominal and other operations.

Supplied in 3-yard rolls, giving full stretch of 5 yards to conform with regulations of the N.H.I. Tariff. Obtainable in 21 ins. and 3 ins. widths, white or flesh colour, full spread or part spread. British throughout.



PRESCRIPTIONS

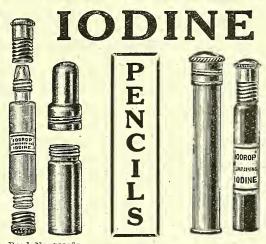
Dispense Flexoplast in all N.H.I. prescriptions for Elastic Adhesive Bandage.

EDWARD TAYLOR LTD.,

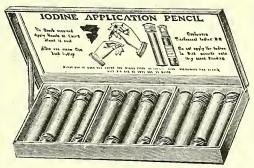
Wholesale and Export Manufacturers of Medical and Surgical Plasters

MANCHESTER SALFORD and BIRMINGHAM GLASGOW, and LONDON Established 1847.

TF 32



Regd. No. 755981



THE REFILLABLE 8/- doz. THE IODROP 1 dram only:

In Aluminium Case 4/-12 dozen 3/6

Nickelled Case 4/6

Unsurpassed Quality Perfect Packing

Stocked by the following firms:

BELFAST Thomas McMullan & Co., Ltd. BIRMINGHAM BLACKBURN BRISTOL CARDIFF DERBY

Hedges Chemists, Ltd. J. M. Fairbairn, Ltd. John Durant, Ltd. Francis Newbery & Sons, Ltd. R. Daniel & Son, Ltd.

GLASGOW { Lorimer & Moyes, Ltd. Munro, McLaren & Sutherland. LEEDS ` Thomas Swales. LIVERPOOL R. Sumner & Co., Ltd.

LONDON Britton, Malcolm & Waymark, Butler & Crispe, Ltd. [Ltd. MANCHESTER J. Woolley, Sons & Co., Ltd. **NEWCASTLE-**

ON-TYNE Hall, Forster & Co., Ltd. GHAM J. H. Haywood, Ltd. YORK Bleasdale, Ltd. NOTTINGHAM

or from the Makers:

FECHER,

Cuckoo House

10 Dod Street - - LONDON, E.14

Makers of " Cuckoo" Specialities

Are YOU selling the TROJAN

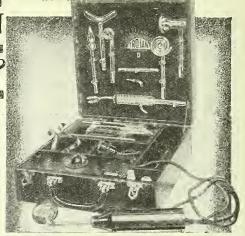
or missing valuable business?

UNDREDS of enterprising chemists are increasing their "net profits" and giving their customers every satisfaction by selling TROJAN HIGH FREQUENCY ELECTRICAL OUTFITS.

Manufactured from the highest quality materials the TROJAN is absolutely dependable and can be easily operated by an entirely inexperienced person.

Beauty and Hair Specialists are recommending the TROJAN more and more every day. The Chemist who does not stock this profitable and quick-selling line is missing valuable business.

If you have not already had full details write us to-night.



Have you had particulars of the TROJAN Electric Inhaler? A wonderful new invention for relieving Coughs, Colds, Influenza, Asthma, Catarrh, etc.

JOHN SHAW & SONS, WOLVERHAMPTON, LTD. (Established 1795)

WOLVERHAMPTON
Head Office and Works:
WOLVERHAMPTON

'Grams: "Shaw Wolverhampton."
'Phone: 1001

MANCHESTER

5 Orme Buildings, St. Mary's Parsonage, 'Phone: Blackfriars 1365 LONDON

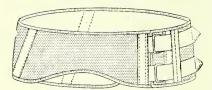
London Office and Showrooms:
29 SHOE LANE, E.C.4

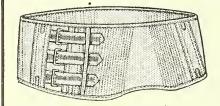
'Phone: No. Central 1814



GENT'S BELTS

C. 882. 6" GENT S FELT BELT.





C. 872
7"
NATURAL
OR
SCARLET
FLANNEL.

THE

R. H. HEWARD COY.

SURGICAL APPLIANCE SPECIALISTS
CROWN ROAD WORKS
TWICKENHAM

Phone: Popesgrove 2094

Grams: Beltruss Twickenham





SALES-SATISFACTION

for YOU

When you sell Sherley's Dog and Cat Medicines you have the satisfaction of knowing that your Customers will be Satisfied, and they will come again. These popular lines are renowned for their Purity, Safety and

for Your Customers

Efficacy, and the Extensive Advertising Campaign which is always in operation ensures a steady and continuous demand. They show good profits and are supplied on terms which eliminate all risk of loss.

DOG OWNERS ARE INSISTING ON SHERLEY'S

SHERLEY'S

QUANTITY TERMS

—are available for SHERLEY'S Tonic & Condition Powders and Worm Remedies—now packed on attractive Display Cards. Also for £2 Assorted Parcels.

Full Literature and Sales-Compelling Show Cards are available. Send a Postcard for particulars to:—

A. F. Sherley & Co., Ltd., 18 Marshalsea Road, LONDON . . . S.E.1. LACTOL AND LACTOL BISCUITS

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS :: TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Telephone No.: 75903. Telegrams: Surgical, NOTIM.

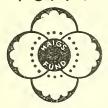
NOTTINGHAM

Russell Street

"LEST WE FORGET"

REMEMBRANCE DAY

GIVE GENEROUSLY FOR YOUR POPPY



"NEWBERYS"

LONDON, CARDIFF & LIVERPOOL



The responsibility for the coming generations remains with us.

That the human body demands a sufficient supply of Vitamins to maintain it in a healthy state has been known for less than a generation.

Many people still suffer from lack of one or more vitamins, particularly A and D which give protection against infectious diseases and prevent rickets.

Scientific study of the problem of nutrition has shown that these vitamins are found to the greatest extent and in the least expensive and most accessible form in cod liver oil — a product which has become indispensable to the community.

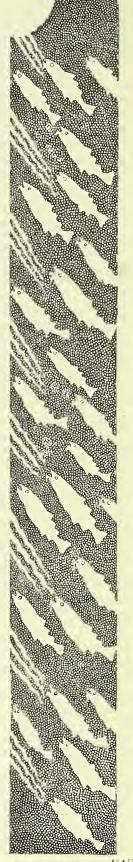
Cod liver oil is regarded by eminent physicians as one of the most powerful weaspons mankind possesses in the battle against disease.

Norwegian cod liver oil is world = famous for its, supreme quality.

A teaspoonful of Norwegian cod liver oil contains more A and D Viztamins than all butter and milk one could possibly absorb in one day.



NORWEGIAN COD LIVER OIL



BISMUTH CARBONATE



The efficacy of Bismuth Mixture depends on the Bismuth Carbonate

"M & B" BISMUTH CARBONATE

by its lightness and purity offers the best guarantee of satisfaction to your customers

1lb. occupies 50 fluid ozs. Packed in 1lb. cartons.

Specify BISMUTH CARB (M & B)

from your wholesaler

MAY & BAKER LTD.

BATTERSEA, S.W.I.



NEW SHOW MATERIAL FOR RADIO-MALT

The illustration shows the new Show-stand (R.M.12), an attractively modern production in bright colours. It is of solid construction and measures 19 inches in height. A copy will be sent to any Pharmacist on request.



IT PAYS YOU TO SELL RADIO-MALT

Write for particulars of Bonus Terms, conditional upon exhibition of the advertising material.



ESSEX ST. LONDON, W.C.2

NOVEMBER 12, 1932

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST

AD VERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

MUST REACH US

NOT LATER THAN

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES-6/- for 50 words; every additional 10 words or less, 6d. 1/- extra)

SITUATIONS OPEN-6, - for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

(BOX NO., 17 Exerts.)

SITUATIONS WANTED-2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines=1 inch single column). (Box No., 1/- extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—10/for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.) EXCHANGE COLUMN (for Retailers, etc.)-Twopence per word, minimum 2/-. (Box No., 1/- extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 lines). Telegrams: " Chemicus, Estrand, London."

ADVERTISEMENTS INTENDED INSERTION IN THIS SUPPLEMENT

POST HURSDAY

LUDGATE 56 ESTABLISHED 1846

HILL, **E.C.4** Telephone No. : CITY 2283

We make no charge to purchasers, and invite intending 1.—MIDDLESEX (Suburban).—Good-class residential Business, witb Doctors' Dispensing and small N.H.I., for sale on account of ill health; increasing turnover, last year being £1,545; scope to do £2,500; at present conducted under management; very attractive double-fronted shop, well fitted and stocked; rent £200; sub-let £202; 18 years' lease; price to be arranged; modern district and very pleasant surroundings.

2.—ESSEX (Progressive Town).—Good middle-class Retail and Dispensing Business, with Kodak Agency and N.H.I., in healthy locality: returns under management last year £1,720, has done much more; attractive shop, well fitted and stocked; new lease, with option to purchase the property; vendor gives no time to the business, and in order to relieve himself of the responsibility would no doubt meet a purchaser reasonably.

3.—SOUTH LONDON.—Cash Drug Store, with Tobacco; returns £4,000 to £4,500 per annum; excellent position in busy main road; lease at £160 per annum can be had, or the property may be purchased; living accommodation and garden; price asked £2,750, or valuation terms entertained.

4.—WILLESDEN.—Dispensing and General Retail Business, with Kodak Agency; good district, with plenty of scope; returns £4st year approached £2,000 at usual prices; large double-fronted shop, well fitted and stocked; rent £100 per annum inclusive; part let off at 30s. per week; price asked £1,100.

5.—HARROW.—Middle-class General Retail Business, with Kodak and N.H.I.; returns, under management, £35 weekly; double-fronted shop, well fitted and stocked; five-roomed house, with kitchenette, back entrance and lawn; lease about 20 years to run; price £900

6.—HOME COUNTY.—Medium-class Retail and Dispensing Business, with small Optical connection; returns last year £1,402, Optics £120; net profit between £300 and £350; very large house; rent £85; sub-let £13; stock and fixtures worth £700; long lease; price £950.

7.—BARKING.—Working-class Business, with N.H.I. and Kodak A We make no charge to purchasers, and invite intending

HOME COUNTY (Growing District served by Electric way).—Progressive Retail Business, returning about £3,000

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION. buyers to communicate with us, stating their requirements.

May be consulted at their Offices on MATTERS of SALE, FURGHASE & VALUATION. buyers to communicate with us, stating their requirements. per annum and producing a very good profit; modern pbarmacy; price about £2,500. Furtber particulars to prospective purchasers furnishing banker's reference.

9.—SOMERSET.—General Retail Business, with Agricultural connection; established 1320; double-fronted shop; living accommodation and side entrance; rent £40 per annum; held on lease; returns last year approximately £1,550, with gross profit approaching £550; stock and fixtures worth about £650; price £350; scope for increase with more attention.

10.—WIRRAL—Good-class Family Retail and Dispensing Business for Sale on account of contemplated retirement; returns last year about £1,725, of which about £200 is from Optical; the turnover could be increased by a young or middle aged man; net profit last year approximately £400; double-fronted shop, well stocked; good old fixtures; rent £75; one room sub-let at £35; Optical need not be taken over unless required, in which case the price asked is £1,000.

11.—WEST SUFFOLK.—Unopposed Country Business, with Kodak Agency and Wine Licence; returns, under management, about £1,400 per annum; large house and garden; new lease will be granted at £60 per annum. The vendor is unable to give any time to this business and is prepared to meet a prospective purchaser equitably.

12.—MID-KENT.—Middle-class Retail Business, established over fifty years: returns, present rate, about £30 weekly, under management. This business is for sale on account of the death of one of the partners, and in order to effect an early sale £750 will be accepted. It is also necessary to purchase the property; this is worth about £1,750, and a substantial portion of this sum can be taised on mortgage.

13.—SOUTH-EAST COUNTY (Residential Town).—Old-established Retail and Dispensing Business, situated in main shopping thoroughfare of a good-class town; returns, last year, £3,400, at good prices; attractive shop, very nic

Iransfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

th I ers oross Terminus 3574

1.—SOUTHERN COUNTY.—Select Family and Dispensing Business, charmingly situated and easily worked; turnover £1,600, increasing; excellent modern house, with large, well-stocked garden, garage and quarter-acre of land adjoining; price for business and freehold property £3,850; suitable for anyone with capital seeking a pleasant country life.

2.—SOUTH DEVON.—Sound general Family, Retail and Dispensing Business, in small market town; returns £1,200, increasing; good house and garden; excellent stock; price £950.

3.—MIDLANDS.—Old-established Business in busy town; returns average £1,350; good profits; rent £52, on lease; corner shop; well fitted and fully stocked; no near opposition; price £800.

price £800.

4.—SOUTH WALES.—Good-class country Business, easily worked, and charmingly situated in small market town; returns over £1,700, increasing; very low expenses; modern house; well fitted shop, heavily stocked; price, simply valuation, plus £150 goodwill.

5.—SURREY (Suburb).—Good light Cash Retail, in central position; returns approximately £25 weekly, steadily increasing; modern fitted pharmacy; every convenience; well stocked; living accommodation; price for early sale £600.

6.—LONDON (West End).—Good-class Retail and Dispensing Business for early disposal; owner leaving the retail; average turnover £1,800 yearly; now doing £1,400; modern fitted pharmacy, well stocked; price £650.

7.—LONDON, E.—Cash Retail and Prescribing, with small N.H.I.; returns £1,500, plus N.H.I.; rent £54, on lease; small living accommodation; net profit £350; ill health necessitates sale; offers invited.

living accommodation sale; offers invited.

-LIVERPOOL .- Light Cash Suburban Business, under manager, £1,450; gross profit £550; splendid position on new housing estate; scope for increase; modern fitted pharmacy, well stocked; long lease; price £800, or valuation terms arranged.

9.—SOUTH-EAST COAST.—Sound Light Family Retail and Dispensing Business, in growing residential district, with no immediate opposition; returns £1,850; scope for increase; handsomely-fitted pharmacy, well stocked; large house; family reasons cause of selling; price £1,300.

10.-CHESHIRE.-Old-established Business, in main street of

10.—CHESHIRE.—Old-established Business, in main street of market town; present returns about £850; plenty of scope; low rent; lease granted; well stocked; audited books; owner returing; price £650.

11.—EASTERN COUNTY.—Middle-class Light Retail, in populous district of busy town; returns about £1,650; net profit over £400; lock-up shop; low rent; on lease; price £900.

12.—LONDON, W.—Profitable Cash Retail, with good Photo and Panel; returns £1,388; net profit £400; double-fronted shop with house attached; good lease; price £750, or offer; part can remain. remain.

13.-LONDON, N. (15 miles out).-Good-class Business in growing residential district and with excellent prospects; returns, under manager, £1,568; handsome modern pharmacy; good house; large garden, price £1,250.

14.—LONDON (Essex Suburb).—Sound working-class Cash Retail Business; present returns average over £20 a week; rent only £36; long lease; comfortable house; price £500, or £225 and stock at valuation.

BUSINESSES WANTED IN ALL PARTS.

We have a large number of genuine cash buyers seeking sound concerns from £700 up to £4,000, and invite correspondence from intending vendors, as we are able to effect quick sales with the utmost privacy.

LET US QUOTE FOR YOUR STOCKTAKING.

ALL VALUATIONS PERSONALLY CONDUCTED BY PRINCIPALS.

GEORGE

TUDOR HOUSE, WALSALL

CHEMISTS' BUSINESS SPECIALIST, VALUER, AND TRANSFER AGENT

Tel.: Earnest, Walsall. 'Phone: Walsall 3774 London Office: Sentinel House, Southampton Row, W.C.1 'Phone: Museum 83,40. [London. Grams: "Earnest" Ofiservis, Westent,

Where possible, all BUSINESSES are VISITED and initially INVESTIGATED prior to being offered out for sale. Service and assistance is rendered to prospective buyers, without any charge or obligation to purchase.

(C1) LIVERPOOL.—Old-established light retail business with good dispensing and photographic connection; in present hands over 20 years; average turnover for last three years under management, approximately £2,400 per annum; net profit to a proprietor running the business personally should be in the region of £750 yearly; 10-roomed house, available for immediate occupation, or could be sub-let if desired; rent of shop and house £104 per annum; a new lease for any period at purchaser's option will be granted; reason for disposal, owing to semi-retirement; purchase price £550 for lease and goodwill, plus yellie of stock and fixtures. plus value of stock and fixtures.

plus value of stock and fixtures.

(C2) INLAND SPA* RESORT.—Old-established business at present being carried on as a drug store; could be profitably continued as such, or re-converted, if taken over by a qualified chemist; returns for 1931 financial year, approximately £1,600; rent £65 per annum, which includes living accommodation; owner retiring; purchase price, goodwill £100, plus stock and fixtures at valuation or by agree-

(C3) LONDON, WEST.—Good dispensing and mixed business with living accommodation, including garden; average turnover approximately £1,400 per annum; rent £65, on lease; purchase price by negotiation; owner moving for health reasons.

(C4) BIRMINGHAM (NEAR).—Old-established pharmacy, situated in good class residential outer country suburb; returns for last financial year upwards of £1,200; rent £90, including small house; owner retiring; scope for further increase; reasonable purchase price, comprising only a small goodwill.

(C5) DERBY.—Old-established pharmacy situated in middle-class residential district; no near opposition; average turnover approximately £1,350 per annum; low rental; proprietor open to reasonable negotiation, as a quick sale is desired, the reasons for which are perfectly

genuine. (C6) NORTH MIDLANDS.—Elegantly-fitted and well-positioned pharmacy with optical connection, situated in busy town, which is a service depot for several long distance motor transport services; turnover for last financial year upwards of £2,000; rent, £100 per annum; long lease; house available nearby if desired; good scope for further development; population of immediate district approximately 32,000; purchase price £1,650, or offer; owner moving South for health reasons.

yers, without any charge or obligation to purchase.

(C7) LİVERPOOL.—Good class city business at present under management; returns for last financial year upwards of £1,600; excellent opportunity for good prescriber; net rental of premises £80 per annum, plus rates; no Sunday duty; purchase price for quick sale £750, which represents approximately the value of stock and fixtures; this business should be excellently suited to a young man with energy and initiative.

(C8) DEVON.—Good class family and dispensing business recently established, for disposal owing to special private circumstances; turnover for last financial year approximately £1,200; good living accommodation; with large garden, rent £100; lease 21 years; purchase price by negotiation; offers exceptional advantages to a private chemist with enterprise and initiative.

(C9) SOUTH-EAST COAST.—Old-established pharmacy for disposal owing to advancing years of proprietor and contemplated retirement; good living accommodation; sufficiently extensive for seasonal letting in addition to proprietor's own occupation; the business offers excellent scope under energetic proprietorship and the purchase price asked comprises the approximate value of stock and fixtures only.

(C10) WORCESTERSHIRE (NEAR BIRMINGHAM).—Good family business with N.H.I. (700—750 prescriptions monthly); living accommodation; rent £65; present returns approximately £20 weekly under management; should do considerably more with personal interest; price for quick sale, £400, including stock £250, subject to valuation.

(C11) BUCKS.—Exceptional and unique opportunity for chemist

valuation.

(C11) BUCKS.—Exceptional and unique opportunity for chemist wishing to acquire a good class pharmacy in a quiet neighbourhood, capable of providing a reasonable living at present, with scope for future development; returns for last financial year as per audited accounts, approximately £1,300; rent £100, including small modern flat with all conveniences; for a quick sale an all-in purchase price of £550 will be accepted, or alternatively goodwill and fixtures £250, plus stock at valuation. The pharmacy is an attractive one, and the proposition can be thoroughly recommended to a chemist desiring a quiet, easily-worked, good-class business.

(C12) BOURNEMOUTH (NEAR).—Good steady business situated in growing residential neighbourhood; present returns approximately £20 weekly; good modern house, self-contained; rent and lease by arrangement, or property could be purchased; price about £775; further particulars to genuine likely purchasers upon application.

Stocktaking Valuations, also Pricing of Chemists' Own Records, carried out at LOWEST POSSIBLE RATES.

Шинишишишишишиш

Have you thought of selling your business?

ORRIDGE & Co.

56 LUDGATE HILL, LONDON, E.C.4

the oldest established firm of Chemists' Transfer Agents & Valuers in England (Established 1846) have purchasers waiting for businesses in all parts of the country.

No matter whether the reason for sale be contemplated retirement, ill health or change of environment, we can assist you.

ANY DISTRICT ANY TURNOVER ANY PRICE

we have the Buyer waiting

ORRIDGE'S ORACLES

No. 1

Said a Chemist at Cambridge about to retire,

I must search far and wide for a suitable buyer.

But a Druggist at Norwich Said just write Messrs. Orridge

They will get the best Price that a man can desire.

We have enjoyed the support and confidence of Pharmacists for nearly a century and assure prospective vendors of complete satisfaction.

Sales conducted privately. We are willing to call upon you if desired and give our opinion as to value.

LET US BE OF SERVICE TO YOU S. F. CLARK, F.N.A.A. Prospect 3366
CHEMISTS' VALUER & TRANSFER AGENT
34 Marksbury Avenue, Richmond, Surrey

KENT. Returns £2,900, long lease, rent £65 p.a. MDSX. Turnover £2,000, living accom., illness causes sale. BERKS. Country bus., doing £18 p.w., living accom., suit beginner.

beginner.

KENT. Unqual., returns £1,375, long lease, low rent.

* V aluations for all purposes personally conducted.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BLACKPOOL, NORTH.—Prominent corner Shop in rapidly growing district; Dispensing and Photographic Business, attractively fitted; increasing returns; price about £700. 316/20, Office of this Paper.

RAST DORSET (Near Bournemouth).—Unopposed, in rapidly developing area, double-fronted, well fitted and stocked; established 3½ years; increased from £800 to £1,300, and still increasing; Kodak, N.H.I., own Prescribings and Proprietaries; good living accommodation; health reasons for sale; long lease; £1,200. 315/12, Office of this Paper.

 $E^{\rm SSEX}$ (Near Romford).—Chemist's Business for Sale; Optical connection; takings last year over £2,900; audited accounts: this year, not completed, will be more, if anything good profits; genuine reason for sale. Apply "Upton," 212/592, Office of this Paper.

CRIMSBY.—Established Business; £1,800 turnover; accountant's figures; 500 scripts per month, increasing; Kodak; stock £800, subject valuation; very good fittings; corner lock-up shop; long lease at reasonable rent; good Optics opening; deposit and payment by instalments accepted from approved purchaser. 314/17, Office of this Paper.

 $K^{\rm ENT\ COAST.-Middle-class\ Retail;}$ net profit £450; genuine; price £1,900, including freehold property; bankers' references required in first instance. 315/23, Office of this Paper.

L ONDON (East).—Drug Store and Herbal Business in working-class district; neglected under management; will show £5 to £7 per week net profit; rent £45; rates £21; sub-let £39; established ten years; lease eleven years unexpired; proper accounts kept; open to fullest investigation. What offers? 315/28, Office of this Paper.

LONDON, N.W.—Retail Herbalist, Druggist, etc. Oldestablished Business, in excellent position, busy main thoroughfare; good domestic accommodation; lease 10 years; open to fullest investigation; price, including stock, fixtures, etc., £2,500. Fuller information: Pawley & Malyon, Incorporated Accountants, Finsbury Court, Finsbury Pavement, E.C.2.

LONDON, W.—Okl-established, well-fitted Shop, four-roomed House; valuable lease; rent £40; net profits £285 per annum; capable improvement; price £495, inc. £250 stock; worth immediate attention. Preston & Partners, 29 Ludgate Hill, E.C.

LONDON, S.E.—Branch Business for Sale; large doublefronted lock-up shop, beautifully fitted in mahogany; prominent main road position; bus and tram stop; capable of big increase under personal management; turnover £1,000 to £1,100; price £750, or will accept offer for quick sale. 317/26, Office of this Paper.

ONDON, W.—Smart Shop in busy shopping ceutre, doing increasing business; premises held on old lease. LONDON, S.W.—Comfortable Business in busy main street; long lease; reasonable rental. Particulars 316/25, Office of this Paper.

ONDON, E.-Main road Chemist's Modern Shop and House; takings £1,500 per annum; rent £80; profits £400 net; genuine offer; 21 years' lease; price, only £875, includes stock. I. Cedar, A.C.A., Chartered Accountant, 151 Nightingale Lane, Wandsworth Common, S.W.12.

MANCHESTER (Town Neat).—Working-class suburb; present hands 33 years; owner retiring; Wine Licence; 250 N.H.I. weekly: opening for Photography: net profit over £300; abundant scope for increase: rent and rates £77; house attached; valuation about £800; no goodwill. Marsden, Valuer, 29 Oakwell Crescent, Leeds. 'Phone: Roundhay 62890.

CENTURY established Business for manufacturing well-known vermin destructor; equipped freehold factory; defached house; price £2,000; owner retiring. Windrum, Son & Trimming, 172 East India Dock Road, E.14. East 4630.

The ASSOCIATION of MANUFACTURING CHEMISTS,

(Business Agency, Transfer & Valuation Department)
KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS,
Holborn Viaduct, LONDON, E.C. 1 2 Bixteth St., LIVERPOOL

PARKIN S. BOOTH, Valuer. Tele.: CITY 1261-2-3-4.
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.
Enquiries Invited.

NEAR LIVERPOOL.—Branch Dispensing and Photographic Chemist Business; double-fronted modern shop, in a busy thoroughfare, under qualified management; takings £950, but can be greatly increased; rent £1 per week, plus rates; lock-up, but living accommodation available; stock can be reduced to suit purchaser; price for quick sale £425. For further particulars, 316/7, Office of this Paper.

FOR SALE.—Busy main road, near London, sound Business at bargain price to ensure quick sale; takings £25 per week; good living accommodation; good oak fixtures and fittings; well stocked; all cash trade; all at £500, worth double, but ill-health compels quick sale; long lease at moderate rental. 315/34, Office of this Paper.

LOR SALE, The Drug Store, Aberbeeg, Mon., at £450; freehold property; average weekly takings £12; neglected through long illness; Kodak Agency, Library, Tobacco; scope for N.H.I.; stock greatly reduced. Apply G. Williams, Drug Store, Aberbeeg.

ENUINE Business for Sale, outskirts of North London; last year's turnover £1,065; business steadily expanding; 20 years' lease at £52 per annum inclusive; price £550 cash all at for quick sale; sound reason for disposal; accountant's figures available. 315/25, Office of this Paper.

OOD-CLASS Retail Pharmacy, central position; average £40 upwards weekly; Photographic, etc. Full details to genuine buyer. 318/29, Office of this Paper.

DRESENT family over 70 years; retiring; well known Chemists, Drug Stores, Fancy Goods, Stationery; growing town; fine bold corner shop and house; long lease granted at low rent; price £650, s.a.v.; wonderful opportunity for live man. Inspected by Sole Agents, Pearson's, next G.P.O., Southend.

STOCK, Fittings, etc., of Drug Store, £60, or with transfer seven years' lease of premiscs, with option another seven, £100 all; working-class district; good opening N.H.I.; rent £75 exclusive; upper part let, 'leaving shop and parlour, net rent 5s. weekly. Write "Arbra," 13 Greville Road, W. Hampstead, N.W.6.

UNUSUAL opportunity to purchase a small Chemist's lock-up Business (unqualified) in a very busy market road; average profit over 2 years after paying rent £8 15s. per week; suit unqualified man, but business can be greatly increased by a man with qualifications; stock, fixtures, fittings, etc., all at £475. Write for appointment to 313 Wimbledon Park Road, Southfields, London.

£75 ALL AT, for quick sale, Drug Stores, with house attached; busy main road, London; present returns average £10 weekly, but there is scope to treble, with an adequate stock; excellent position for the addition of N.H.I. Dispensing; two surgeries close to; owner, having received appointment, must dispose of quickly. Write 317/38, Office of this Paper.

£170 ALL AT.—Drug Stores and Photographic, near Lewisham, in thickly populated area; splendid opportunity for qualified man to start N.H.I.; four surgeries mear; rent £65, including four-roomed house; 20 years' lease; trade now £10, but has been neglected owing to family reasons; must be sold. 516/24, Office of this Paper.

£200. -DRUG STORES; rent 15s. week inclusive; scope now under management; lock-up; S.W. district; stock covers money asked. 309/2, Office of this Paper.

PREMISES FOR SALE.

BLACKBURN.—For Sale, valuable Freehold Premises with modern Machinery for Manufacturing Pharmaceutical Specialities; centrally heated. Apply to the Receiver for Debenture Holder, H. Southworth, Chartered Accountant, 9 Chapel Street, Preston.

PREMISES TO LET.

WOODFORD (High Road).—Excellent position, close to new estates; shops and flats to let ou long leases at low rents; no premiums. Apply Hillier, Parker, May & Rowden, 27 Maddox, Street, W.1.

Tele. Mayfair 7666.

BUSINESSES WANTED.

A DVERTISER, who has recently sold his business, wishes to purchase another; turnover between £2,000-£5,000 per annum; negotiation will he treated as confidential (no agents); anywhere except extreme North; considerable capital available; bankers' and wholesale references by return post; free to interview. Please write 318/2, Office of this Paper.

BUSINESS wanted, London suburb; one with scope for expansion and where an Optical department could be developed; Drug Stores capable of conversion if in good district would be considered; please state particulars in full confidence; advertiser is private chemist. 317/40, Office of this Paper.

BUSINESS required; congenial residential district preferred; capital waiting for small business; living accommodation essential; lady pharmacist can negotiate at once; all particulars divulged will be treated as strictly private and confidential. 317/2, Office of this Paper.

CHEMIST, with cash available, requires sound established Business (returns £25-£30 weekly); house attached, with modern conveniences, garden preferred; South country. Write, stating all particulars, Oglesby, 26 Lannoweth Road, Penzance

SALE BY AUCTION.

Re Limbreys. Removed for Convenience of Sale.
SALE ROOMS, 5 LITTLE BRITAIN (close to
G.P.O.), LONDON, E.C.1.
Two practically new ranges of CHEMIST'S SHOP
FITTINGS, 10 ft. Drug Run, Wall Showcases, glassfronted and other Counters, Silent Salesmen, Mirrors,
Cash Tills, Office Furniture, Typewriters, Chairs, etc.

NORMAN & SON Will Sell by Auction, as above,
WEDNESDAY NEXT, at One o'clock,
ew Day Prior. Catalogues on application. On View Day Prior.

AGENCIES.

MANUFACTURING Confectioner (London), with up-to-date factory, having more room than required, is prepared to undertake packing and dispatching of any goods allied to Confectionery, Grocery, Chemist trades. P.C.B. 53/34, Office of this Paper.

SELLING Agents required for Broncho Congh Cure; good retailer's profits assured. Write Clarke, Chemist, Newport, Monmouthshire.

APARTMENTS.

WHEN YOU COME TO LONDON STAY AT THE HAMPDEN RESIDENTIAL CLUB.

FOR gentlemen. Hampden Street, N.W.1. Close to King's Cross and Euston. 300 hedrooms. 12s. 6d. to 25s. per week, including haths, attendance and hoot cleaning. All meals à la carte in dining rooms. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Museum 3424.

PARTNERSHIPS.

PARTNERSHIP officed Mail Order Business, Chemists' Sundries, West-End office, rent 11s. weekly inclusive; could he worked in spare time; investment £60; half share profit; references exchanged. Write for interview, "V. A.," P.C.B. 54/30, Office of this Paper.

QUALIFIED Chemist, 28, married, requires Partnership in sound business, with view to succession, or purchase of small business; good experience; Midlands preferred, but not essential; moderate capital available. 315/10, Office of this

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers beingintended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

SITUATIONS OPEN.

RETAIL (HOME).

L ONDON, S.W.12.—Assistant, unqualified, required, with good Dispensing and Counter experience, also knowledge of Photography and Window-dressing; permanency. Reply, stating full particulars and salary required, J. Inglis, 81 Nightingale Lanc, Balham.

A SSISTANT wanted; capable young man of good address as Junior Assistant, accustomed to good-class Counter trade; must have excellent reference. Apply, quoting references and send photo, The Oxford Drug Co., Ltd., Cornmarket Street, Oxford

JUNIOR (male); must be good Dispenser and Window-dresser and over 5 ft. 8 in. high; salary 45s. Send full particulars of capabilities, with recent photo (will be returned), references, age and when at liberty, Powell, Horley, Surrey.

JUNIOR required for Dispensing and Counter in good-class Business near London; permanency. State age, height and salary. Any not answered in three days respectfully declined, Peehles, Chemist, Dorking.

ADY Assistant; Counter; permanency; state experience, if disengaged, and wages. Herhert's Drug Stores, 209 Vauxhall Bridge Road, S.W.1.

QUALIFIED lady Chemist required November 28; permanency; must be good Window-dresser, Counter, etc. Apply stating age, experience and salary required, to 316/9, Office of this Paper.

QUALIFIED Pharmacist (male) required by high-class Business in Sussex; Dispensing and Counter. Write, with copies of testimonials, stating age, salary required, etc., to 212/590, Office of this Paper.

QUALIFIED, to manage small Branch Pharmacy, London, E. Please state full particulars, salary required, and send copies of references to 317/24, Office of this Paper.

UNQUALIFIED; good Salesman, capable of taking charge. State experience, etc., to P.C.B. 54/16, Office of this Paper.

WANTED for large Store in the North of England, young lady who has served an approved apprenticeship under a member of the Pharmaceutical Society. 212/589, Office of this

YOUNG Pharmacist for branch; industrial district; must be energetic. State age, experience, references, salary, to Willis, The Broadway Pharmacy, Cardiff.

YOUNG Lady Improver wanted at once for London Pharmacy, Applicants please state age, experience and salary required. 316/28, Office of this Paper.

WHOLESALE.

A LARGE Firm of Manufacturing Chemists require three Representatives (one for the South-East of England, one for the West Midlands, and one for part of London) to visit Doctors and Hospitals. Reply 212/588, Office of this Paper.

COUNTER-Hand wanted by a London House; efficient, quick; used to Wets and Drys, with a knowledge of ships' surgeries. Apply, stating age and full particulars of previous experience, to 212/591, Office of this Paper.

RESPECTATION FOR THE PROPERTY OF THE PROPERTY

LEADING Wholesale Druggists, near London, require Foreman for "Wet" Department: must have knowledge of "wet" preparations and experience in control of staff, stock and packing of orders. Write full details of experience, age and salary required, to 318/19, Office of this Paper.

TRAVELLER, with good connection in the Midlands amongst Chemists and Stores, wanted to sell four hest sellers in the Perfume trade; commission only; only live men with first-class references need apply. Write full particulars to 515/16, Office of this Paper.

WOMAN Supervisor required by London Cosmetic Mauu-facturers; must be able to control staff. State education, experience and wages required. 212/593, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

A. A. A. —QUALIFIED, Scot, 25, single, 9 years' experience in all branches, including West-Bud, desires change; London or district preferred; progressive situation; good references. "Qualified," 9 Endsleigh Gardens, W.C.1.

A.A.A. A. a qualified Assistant or Manager; aged 25; End; excellent references; disengaged December 5. Harris, 25 Holmdale Road, N.W.6.

A.A.A., M.P.S., J.C.Q.O., 31, tall, requires post as suburbs; good references. "H.," 7 Chessington Road, West Ewell, Surrey.

A.A. -QUALIFIED; 27; excellent experience, West-End and Suburbs; Photographic, etc. 3 St. James' Mansions, N.W.6.

A.A. -QUALIFIED Manager or Assistant; excellent experience in all branches; tall, capable and reliable; French and German; highest references; disengaged. J. Simmons, 11 East Tenter Street, Minories, E.C.3.

A. A. QUALIFIED Manager, 38, Scot, competent business builder, seeks responsible position, private pharmacy, London suburbs; sole charge; excellent Prescriber; experienced all branches; interview desired; thoroughly conscientious; quick and capable; smart appearance, with tact and personality; proved ability. 318/10, Office of this Paper.

A.A. -LOCUM, permanency or part-time; Dispensing, Counter, Windows, Prescribing; experienced; abstainer. Harries. 3 Cancol Road, S.W.9.

A FULLY qualified Chemist desires post. "J. S. R.," 218-

A QUALIFIED Chemist, young, desires post; good appearance and education; exceptional ability in all branches of Pharmacy, including Photographics; keen business man, with tact and personality; skilful at all forms of Display; capable Disponser; free 26th inst. "M.P.S.," 9 Albemarle Crescent, Scarborough.

A THOROUGHLY reliable unqualified Assistant; 20 years' first-class experience; Dispensing Counter, Photo; disengaged; moderate salary. Johustone, 3 Babington Road, Streatham, S.W.16. 'Phone 1087.

A DVERTISER, at present managing well known North London business with control over staff of three, desires change where initiative and business acumen could be profitably applied and suitably remunerated; only genuine propositions offering permanency will be considered. P.C.B. 54/25, Office of this Paper.

A N abstainer, qualified 1919, age 35, married, experienced all branches, good Salesman, Window-dresser, seeks post London; permanent or Locum. "Chemist," 7-8 Leicester Place, W.C.2.

A N experienced Lady Dispenser, M.P.S., requires post, temporary or permanent, in Retail, Hospital or Institution, anywhere; excellent testimonials. 317/39, Office of this Paper.

A SSISTANT or Manager; unqualified; adaptable; employer's interest studied; modern ideas and Windows; had charge for 7 years last situation; disengaged through death of employer; age 38; married; London or suburbs. "Advertiser," 39 Villa Road, Brixton, S.W.9.

A SSISTANT; unqualified; 26; tall; smart; Dispensing, Counter, Windows, Photographic; London and Provincial experience; excellent references. C/o 28 George Street, Bourne, Lines.

A SSISTANT; unqualified; 24; 8 years' all-round experience; 7 Gibson Street, Driffield, Yorkshire.

A SSISTANT; unqualified; 35; reliable Dispenser, active, energetic; 17 years' experience, including West-End. Williams, 45 Holly Road, Chiswick.

A SSISTANT, unqualified, seeks situation; 22; 7½ years' thorough experience high-class Dispensing and Counter; Optical student; Tonbridge or East Grinstead districts preferred. E. Cooper, 31 Princes Street, Tunbridge Wells.

A VAILABLE now as Locum or Manager; 20 years' varied and West-End experience; reliable. "Pharmacist," 18 Stanway Gardens. Edgware. BRANCH Manager or Assistant; qualified; 10 years' varied experience, Dispensing, Counter, Photographic and Window-dresser; keen and energetic. 317/31, Office of this Paper.

CAMBRIDGE (or Near).—22, Part I, desires post as Assistant in good-class pharmacy; free at any time; good sound experience in Dispensing and shop work; well recommended. 316/2, Office of this Paper.

CAPABLE qualified man, age 30; trustworthy; experienced in every way, including management in London and provinces. H. Smith, 72 Jeffreys Road, Clapham, S.W.4.

CAPABLE lady, qualified, seeks post Secretary, Dispenser, Receptionist, to Doctor or Dentist; Bournemouth or near; valuable experience; highest testimonials; hard worker; moderate salary.

O'Bryen, 6 Beech Avenue, Southbourne.

CHEMIST; 41; 25 years' experience all branches; preference to South Ccast; moderate salary; permanency. Clark, 72 Milton Road, Portsmouth.

CHEMIST (27); varied experience; recent references; manage branch; £3 5s. weekly; cine, wireless, etc. Sheppard, West Mark, Highbridge, Som.

CHEMIST, qualified by exam. and great experience, requires responsible post or Management; used sole control; abstainef; married; hard, keen, alf-round business training and personality; at liberty. "Ava," 317/29, Office of this Paper

DISENGAGED; qualified; first-class and all-round experience; good Dispenser, also accustomed brisk Panel work; elderly; active; locum; any distance; part time or suitable permanency; London district; small capital available; rational salary. "Statim," 28 Torrington Gardens, N.11.

DISENGAGED; 22; tall: exceptional Dispensing, Photographic and Counter experience; referred Pharmaceutical Chemistry. Dennis, 101 Birchfield Road, Northampton.

DISENGAGED; experienced Qualified Manager; over nine years last berth; London or suburbs. Davies, 109 Alexandra Drive, Surbiton, Surrey.

DOCTOR'S caughter (Hall) requires post as Dispenser to Doctor, or firm of Doctors. Robertson, 36 Millbank, Westminster.

ELDERLY: qualified; permanency; good references; neighbourhood of London preferred. "K.," 205 Ladbroke Grove, London, W.10.

IMPROVER (20), quick, accurate Dispenser, good Salesman and Window-dresser; excellent references; interview anywhere. B. Horne, High Street, Moreton-in-Marsh.

J. MILES THOMAS, M.P.S., Cardiff, recommends his Apprentice as a capable and trustworthy Junior Assistant; he is well up in Dispensing, Stock, Galenicals, Counter and Photographic. Kindly address replies to Mr. R. J. Hall, 242 Crogan Hill, Barry, Glam.

JUNIOR, unqualified, 20, tall, reliable, willing; Dispensing and Counterwork. S. Ashenden, Highgate Hill, Hawkhurst, Kent.

JUNIOR (20), studying for Part II, seeks part-time situation; good all-round experience; well recommended. "A. C.," 4 Beaumont Street, E.1.

L ADY Assistant (unqualified); 11½ years' experience; Dispensing, Counter, Window-dressing; age 28. Clarke, c/o C. Bayley, Chemist, Uppingham.

ADY, unqualified, requires berth; 12 years' experience, Dispensing, Counter and Stock; disengaged. Holmes, 39 Bendemeer Road, Putney, S.W.15.

LADY Pharmacist, M.P.S., requires post, London or provinces; twelve years' varied experience; excellent references; disengaged. O. M. Hollingworth, Town End Pharmacy, Wath-upon-Dearne, Rotherham.

LADY, qualified (M.P.S.), 22, tall, good appearance, requires permanency with Doctor or Chemist; South Coast preferred. C. Miller, 80 High Street, Glastonbury.

LADY Assistant-Dispenser (Hall) desires post; Brighton or district preferred: excellent references; good worker.

8 Prestonville Road, Brighton.

LADY Assistant requires temporary or permanent position; five years' first-class town and seaside experience; us Dispensing. 317/27, Office of this Paper.

LADY: 24 years; height 5 ft. 6 in.; good appearance; five years' experience; Toilet, Dispensing, Photographic, etc.; excellent references. 318/11, Office of this Paper.

I ADY M.P.S.; 8 years' London experience; efficient Sales-"M. P.," 10 Second Avenue, W.3. OCUM or part time; middle-age; registered R.P.U.; dislengaged. "L.," 19 Marjorie Grove, S.W.11. Telephone: attersea 5142.

OCUM or Part-time; qualified; 12 years' experience; excellent references; London only. Phone: Evans, Southall

ANAGER, 57, qualified, 14 years' managerial experience, keen Salesman, prize Window-dresser, able business builder figures to prove), good organiser and staff controller, desires rogressive post, preferably with living accommodation. Chemist," 101 Mitcham Lane, S.W.16.

MANCHESTER DISTRICT.—Qualified (22), Square-trained, desires permanency; tall; reliable; recommended; disnagaged. Hatfield, 25 Queen Street, Leigh, Lancs.

M.P.S., 23, "Square" trained, desires Locum or pernaces. "Chemist," 17 Westbury Avenue, Wembley.

M.P.S. (42), energetic, desires post with view to partuership or succession; West of England preferred.

M.P.S. (222), "Square trained," 6 years' experience; excellent references, disengaged, requires permanency. Mounsey, 7 Grove Street, Morecambe, Lancs.

M.P.S.; 28; permanency; anywhere; capable Branch manager; excellent references; 9 years' experience; disengaged. Write to "The Mains," Leasowe Road, Walasey, Cheshire.

M.P.S. MIDDLE-AGED; Brighton or Worthing districts; moderate salary. "S.," 32 Steyne Gardens, Worthing.

M.P.S. (27), will run small Branch for £3 weekly; allbristol, 2. "Chemist," 127 City Road,

M.P.S., J.C.Q.O., (28), desires situation Manager or Assistanceshire preferred; excellent references. 316/39, Office of this Paper.

M.P.S., 32, well educated, highly experienced all branches Import and Export, desires responsible post reputable firm; references first-class. 318/14, Office of this Paper.

MR. O. PHILLIPS (26), qualified, who is now managing as Locum since September at Neyland, will be disengaged approximately December 10; responsible post required; experience all branches; 9 years' London and provincial experience. C/o Thomas, Chemist, Neyland, Pembs.

MR. F. H. WEBBER (Rossiters, Tiverton) confidently recommends his late apprentice, Mr. A. G. Mendham; good all-round experience; reliable. 5 Loughborough, Tiverton.

PART-TIME, qualified (42) desires three evenings or half days; quick, accurate Dispenser. Moody, 45 Orlando Road, Clapham.

PART-TIME, evenings, week-ends; unqualified; 40; long comprehensive experience West-End and elsewhere; linguist. "Vim," 186 Fordwych Road, N.W.2.

PART-TIME.—Chemist, speaking French, German, wants part-time work including Sundays; late hours not objected to. Rabenhold, 35 Deans Way, Edgware.

QUALIFIED lady desires Locum or permanency in or near London; good all-round experience. "Pharmacist," 30 Fernleigh Road, N.21.

QUALIFIED, 27, College medallist; 8 years' first-class Dispensing and Counter experience; 5 ft. 10 in.; good appearance and education; Kent, Sussex or Surrey preferred. A. B. Singleton, Hawkhurst, Kent.

QUALIFIED lady requires post in Liverpool, Chester or Wirral district; good all-round experience; excellent references.

M. Caldecott, Ledsham, Wirral.

QUALIFIED, 25, desires situation immediately; 6 years' good, all-round experience; Dispensing, Counter, Photography; excellent references. 316/6, Office of this Paper.

QUALIFIED, 27, capable and reliable, desires change; 11 years' all-round experience; last two years as manager of busy shop; good appearance; excellent references; interview if desired. 315/24, Office of this Paper.

QUALIFIED lady (22), Square trained, seeks Locum or permanency; any capacity; moderate salary. Mourant, 17 Dunbar Avenue, S.W.16.

QUALIFIED male Assistant, 242, tall; Dispensing, Counter experience, Photography; disengaged; moderate salary; good references. Rooke, 104 Clapham Road, S.W.9.

QUALIFIED lady, 30, 12 years' experience, requires whole or part-time position; Doctor; Counter or Dispensing; moderate salary. "Pharmacist," 40 Halesworth Road, S.E.13.

QUALIFIED, thoroughly experienced in all branches, desires part or whole time post; age 50. "Chemist," 2 Shenstone Cottage, Amersham Common.

QUALIFIED male (30), Locum or permanency; Manager or Assistant; 10 years' all-round experience; excellent references; disengaged. Emlyn Roberts, "Bryn Teg," Llandudno Junction.

QUALIFIED; 34; Manager or Senior; well recommended; disengaged. M. Gregory, 50 Grove Lane, London, S.E.S. Phone, Rodney 2719.

QUALIFIED, 25, desires part-time or permanency: London preferred: Counter, Dispensing, Stock; highest references. Leigh, 31 Chichele Road, N.W.2.

QUALIFIED lady (Major), well educated, reliable, with goodclass experience, seeks post, or would entertain partnership. 318/28, Office of this Paper.

QUALIFIED Lady, young, requires situation in London: excellent all-round experience in Dispensing and Counter work: used to taking charge. 318/38, Office of this Paper.

RELIEF or regular engagement, anywhere: experienced pharmacist, working own proprietary, is free about six hours daily. BM/HPGV., W.C.1.

SCOTSMAN; unqualified; tall; twenty years' experience; abstainer; permanency preferred or part time; highest references; now disengaged. Alexander, 189 Southampton Street, S.E.S.

UNQUALIFIED, 31, 16 years' experience, seeks permanency; can take full charge; married; disengaged. "T.," 56 Constable Road, Felixstowe.

UNQUALIFIED: 22; 6 ft.; seven years' Dispensing, Windows, Photography, Counter; moderate salary; disengaged. Waugh, Keighley Road, Colne, Lancashire.

UNQUALIFIED Assistant seeks post in London, with facilities for studying; age 21; six years in present position. 317/20, Office of this Paper.

UNQUALIFIED desires permanency; good all round man; 163 years present situation; owner retiring; being used to take full charge. 318/8, Office of this Paper.

W. J. TALINTYRE, M.P.S., Ashton-on-Ribble, now disround experience. distribution of the content of the conten

WILL Mason Chemist give Brother in urgent need a job? anywhere; Retail or Wholesale; capable; long managerial and general experience; excellent references; married. "F.S.M.C.," "Glandford," Derek Avenue, Hove.

"X.," 56 Twickenham Road, Erdington, Birmingham, Registered Chemist, 32, wishes to give service in Institution or Retail business; eight years in present employ.

YOUNG lady (Hall) requires post with Doctor or Chemist in Colchester, Clacton or Ipswich district; 4½ years' Dispensing experience with Doctor; very auxious to get nearer home; feel confident would soon learn Counterwork if necessary. P.C.B. 53/14, Office of this Paper.

WHOLESALE.

A KEEN, ambitious young Representative, covering patt of London, Kent, Sussex and Surrey, roquires additional lines, or full-time appointment with good-class Perfumery, Drug or Sundries House. 318/36, Office of this Paper.

A REPRESENTATIVE, with long and general experience, large established connection covering Greater London, possessing ability, energy and highest references, accustomed Drugs, Toilets, etc., requires engagement with important house, 316/32, Office of this Paper.

A YOUNG gentleman, 21½, having had 6 years' Retail experience in the North and South country, seaside and inland, desires situation with Wholesale House, such as Representative, or indoor position with prospects; advertiser is of smart appearance, and possesses personality and tact, combined with speaking ability; present position subject to one month's notice. 318/18, Office of this Paper.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

ENERGETIC young man, with 12 years' Retail experience, seeks post as Representative with Manufacturing or Wholesale Chemists; highly recommended; car. 317/19, Office of this Paper.

OFFICE, Warehouse, Manufacturing or Travel; sound Wholesale and Retail experience. "Salesman," 130 Scott-Ellis Gardens, N.W.3.

PAGKED GOODS, PATENTS, ETC.—Advertising, secking change, can offer efficient service; Costing, Buying, Stocks, Orders. Works Organisation, Branch Office or Depôt Manager, or similar capacity; Northern Counties preferred. 318/25, Office of this Paper.

PERFUMERY, Toilets, Galenicals, Manufacturing, Costing, Packing, Dispatch; efficient all-round man; 25 years' experience; excollent references. 318/6, Office of this Paper.

QUALIFIED, 28, single, good references, desires post with Manufacturing House, reactory or Laboratory; six years' Pharmaceutical and Analytical experience, Retail and Wholesale; tome and abroad. 317/22, Office of this Paper.

REPRESENTATIVE, experienced, prize records, desires position with Wholesale House; excellent references. 314/24, Office of this Paper.

REPRESENTATIVE, 35, of tact and initiative, with 14 years' experience and excellent connection throughout Lancashire, Cheshirc, Westmorland and Cumberland, seeks progressive post. 316/19, Office of this Paper.

SALES Manager; 35; passed Incorporated Sales Managers' Association written examination; 12 years' business experience. Chemist Sundries, Packed Goods and Proprietaries; qualified by experience to manage and control sales and office staffs; can work under direction or assume full charge; reasonable salary accepted where opportunities are good. 316/190, Office of this Paper.

TRAVELLER, well known to the trade from Margate to Penzance, desires to represent two first-class Houses on salary, commission, will pay own expenses; saloon car; only genuine proposition will be considered. "Veritas," 318/22, Office of this Paper.

MOUNG man, 27, three years' apprentice to Retail trade, three years' assistant to owner of manufacturing chemists, two years travelling for well known firm, 14 years running own Drug and Tollet business, seeks situation, preferably indoors. 315/30, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

CASH Register for Sale; small National model; perfect condition; suit any business.—Write to T. Brown, 72 Smithies Road, Plumstead, S.E.18.

MISCELLANEOUS.

BARGAIN LIST of Second-hand Showcases and Fittings.

Mahogany Dispensing Screen with bent Sponge Case, £15;
6 ft. bent plate-glass Counter Case with display shelves, £3 10s.;
many useful Showcases and Counters, all removed from jobs in
progress. Write requirements or call PHILIP JOSEPHS &
60NS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1.
"Pharmacy Fitters for Over a Century."

CHEMISTS' FITTINGS.—We hold an immense stock of Drng
Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen,
Upright and Flat Counter Cases, Plate-glass Connters, Cash Tills,
Display Stands and Glass Shelves, etc., ready for immediate
delivery at competitive prices. Write or call for List. F.
MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 356 Old
Street, London, E.C.1.

A TTRACTIVE BARGAINS in reconditioned Second-ham Chemiet Fittings, various sizes and styles, sold singly of in sets. Visit our Showrooms or write your particulars RUDDUCK & CO., 219/227 Old Street, London, E.C.1.

CHEMISTS' Fittings, direct from manufacturer; soundly constructed in oak and mahogany; 8 ft. Drug Run, £18; 6 ft Dispensing Screen, £14; 6 ft. Showcase Fronted Counter, £8 5s.; 6 ft. Wall Case, £11; 6 ft. Glass Counter, £8 15s.; Counter Case 30 x 24 x 18, £2 5s., etc. Send now for photographs, or cal and inspect. MYERS, Complete Chemist Fitters, 134a Kings land Road, E.2, near Shoreditch Charch. Bishopsgate 2524.

CHEMIST'S MAHOGANY FITTINGS.—Complete Drug Fit tings, 12 ft. lorg, 10 ft. long, 22 drawers; 8 ft. long, 15 drawers; 12 ft. long, 10 ft. long, 25 drawers; 8 ft. long, 15 drawers; Wall Cases, 10 ft. long, 9 ft. long, 10 ft. long, 8 ft long. Glass Case Front Counters, 12 ft. long, 10 ft. long, 8 ft long. Dispensirg Screens, mirror centre, 6 ft. long, 4 ft., nest counter drawers. Wall Case, 4 ft. 6 in. long, 7 ft. ligh, 1 ft deep. Silent Salesman, 5 ft. 10 in. high, 2 ft. x 2 ft. All-glass Counter, 5 ft. long. All bargains. GEORGE COOK, The Working Shopfitter, 27 Macclesfield Street, City Road, E.C.1 'Phone: Clerkenwell 5371.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free. A. B. SLACK, 721 Princess Road, West Didsbury, Manchester Manchester.

TREBLES' for Chemists' Fittings, Shop Fronts, Alterations, new cr. second-hand. Let us quote for your requirements. Pharmacy Fitters for over a century. 549 Lea Bridge Road, Leyton, London, E.10. Leytonstone 2475.

COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs Correct Window Lighting Signs and Modern Interior Fittings Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool. Shop Fitters," 14 and 16 Manchester Street, Liverpool. Shop Fitt Est. 1848.

EXCHANGE COLUMN.

FOR DISPOSAL.

(Articles up to the value of £5.)

WHAT OFFERS? 19th edition Martindale, good condition, Vol. 1. Birch & Co. (Chemists), Ltd., 111 Church Road, Norwood, S.E.19.

DISPENSING BALANCE, stainless steel platform, agate knife edges, 2 x 4½ in. glass pans, guaranteed to .02 grm., cost £6 10s.; N.S. Suppository Mould, 6s.; "Art of Dispensing," "Squire's Companion," "Ince's Latin Grammar." Offers to 316/12, Office of this Paper.

WANTED.

SOAP BOILER, cast-iron, enamelled inside, capacity about 15 gallions, gas heating, new or second-hand. Send offers to 315/27, Office of this Paper.

L CLASSES OF SECOND-HAND DRUMS, particularly 40/45-gn. after Medicinal Paraffin and Olive Oil. Also 1-gn. Stone Bottles, basketed or otherwise. Ward, 20 Redcross Street, Liverpool.

GLASS-FRONTED COUNTER, with shelves, 12 ft. long x 2 ft. 3 in. wide. Particulars. Capped Oil Rounds, 40, 20 and 10 oz., with or without labels. 317/14, Office of this

NBSTS OF DRAWERS, suitable for Seed Warehouse. Give full particulars of range, size of drawers, and where possible submit sample drawer with price (sample will be returned immediately). Samuel Finney & Co., Ltd., 20 Grainger Street, Newcastle-upon-Tyne.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require Partners, Agents or Assistants, or wish to Sell their Businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given on the front page of this Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

Printed for the Proprietors by The Avenue Press (L. Upcott Gill & Son, Ltd.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—Nov. 12, 1932. [66/30]